

NCBI  
Nucleotide Protein Translations Retrieve results for an RID

*protein-protein* **BLAST**

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[Choose database](#) nr  ← choix de la base de données

[Do CD-Search](#)

Now: **BLAST!** or **Reset query** **Reset all**

← séquence requête

**Options** for advanced blasting

[Limit by](#)  or select from:  ← Limiter la recherche à une espèce

[Composition-based statistics](#)

[Choose filter](#)  Low complexity  Mask for lookup table only  Mask lower case

[Expect](#)  ← E-value limite

[Word Size](#)  ← Taille *w* du mot d'ancrage

[Matrix](#)  [Gap Costs](#)  ← Choix de la matrice et scores des indels

[PSSM](#)

[Other advanced](#)

[PHI pattern](#)

**Format**

Show  [Graphical Overview](#)  [Linkout](#)  [NCBI-gi](#) Alignment  in  [format](#)

Number of: [Descriptions](#)  [Alignments](#)

[Alignment view](#)

[Format for PSI-BLAST](#)  [with inclusion threshold:](#)

[Limit results by entrez query](#)  or select from:

[Expect value range:](#)

[Layout:](#)  [Formatting options on page with results:](#)

[Autoformat](#)

[Send results by e-mail](#)

Limiter l'affichage des résultats à une espèce

Limiter l'affichage des résultats à une plage de valeur d'E-value

**BLAST!** or **Reset all**



Nucleotide Protein Translations Retrieve results for an RID

*formatting* **BLAST**

Your request has been successfully submitted and put into the Blast Queue.

**Query** = gi|729833|sp|P40189|IL6RB\_HUMAN Interleukin-6 receptor subunit beta precursor (IL-6R-beta) (Interleukin-6 signal transducer) (Membrane glycoprotein 130) (gp130) (Oncostatin-M receptor alpha subunit) (CD130 antigen) (CDw130)(918 letters)

Putative conserved domains have been detected, click on the image below for detailed results.



The request ID is

**Format!** or **Reset all**

The results are estimated to be ready in 8 seconds but may be done sooner.

Please press "FORMAT!" when you wish to check your results. You may change the formatting options for your result via the form below and press "FORMAT!" again. You may also request results of a different search by entering any other valid request ID to see other recent jobs.



## results of **BLAST**

BLASTP 2.2.3 [Apr-24-2002]

**Reference:**

Altschul, Stephen F., Thomas L. Madden, Alejandro A. Schäffer, Jinghui Zhang, Zheng Zhang, Webb Miller, and David J. Lipman (1997), "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs", Nucleic Acids Res. 25:3389-3402.

RID: 1019992403-09001-19888

**Query=** gp131 proteine  
(662 letters)

Séquence requête

**Database:** Non-redundant SwissProt sequences  
108,418 sequences; 39,574,701 total letters

Banques de données choisies

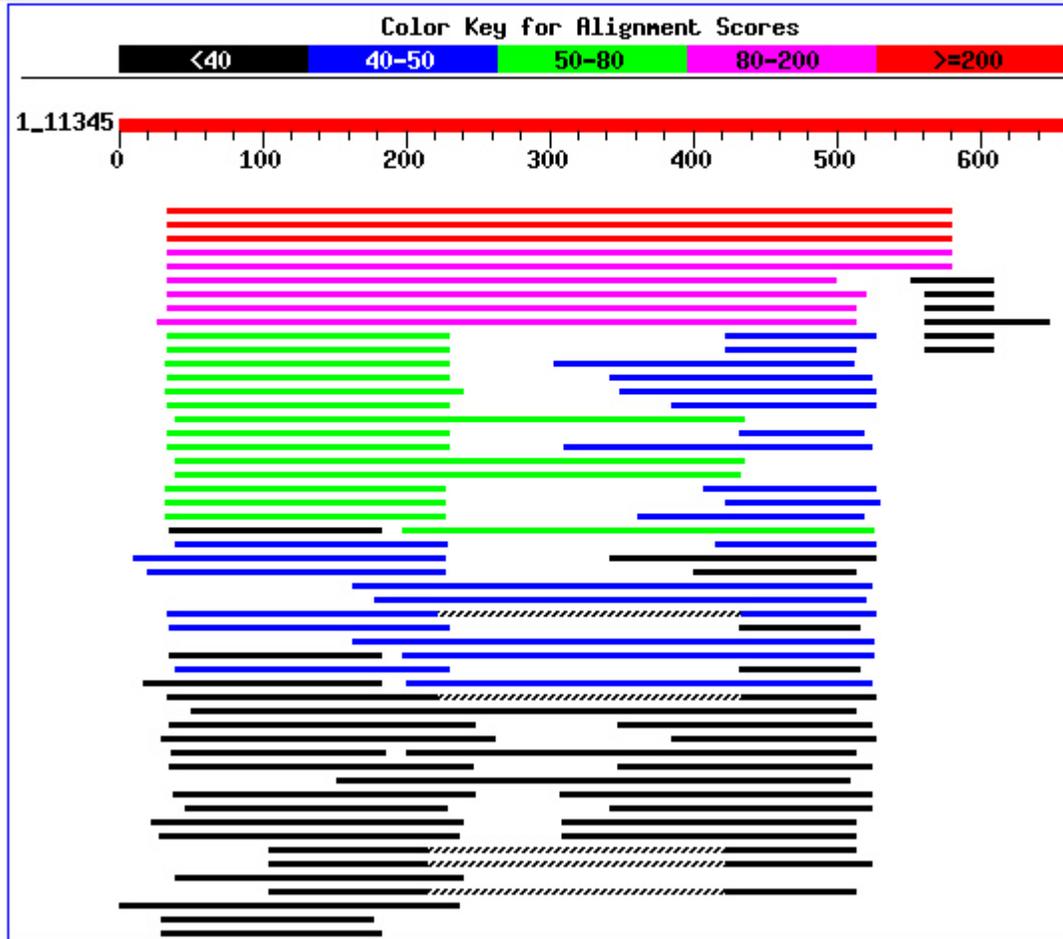
If you have any problems or questions with the results of this search please refer to the [BLAST FAQs](#)

[Taxonomy reports](#)

Distribution of 134 Blast Hits on the Query Sequence

← Nombre de hits

Mouse-over to show defline and scores. Click to show alignments



Répartition des hits  
en  
fonction du score

Sequences producing significant alignments:		Score	E
		(bits)	Value
<a href="#">gi 729833 sp P40189 IL6B HUMAN</a>	Interleukin-6 receptor beta ...	<a href="#">229</a>	1e-59
<a href="#">gi 729834 sp Q00560 IL6B MOUSE</a>	Interleukin-6 receptor beta ...	<a href="#">223</a>	8e-58
<a href="#">gi 729835 sp P40190 IL6B RAT</a>	Interleukin-6 receptor beta ch...	<a href="#">218</a>	3e-56
<a href="#">gi 729564 sp Q99062 GCSR HUMAN</a>	Granulocyte colony stimulati...	<a href="#">147</a>	9e-35
<a href="#">gi 729565 sp P40223 GCSR MOUSE</a>	GRANULOCYTE COLONY STIMULATI...	<a href="#">134</a>	4e-31
<a href="#">gi 1170784 sp P42702 LIFR HUMAN</a>	Leukemia inhibitory factor ...	<a href="#">108</a>	2e-23
<a href="#">gi 1170785 sp P42703 LIFR MOUSE</a>	Leukemia inhibitory factor ...	<a href="#">106</a>	1e-22
<a href="#">gi 12229836 sp Q99665 I12S HUMAN</a>	Interleukin-12 receptor be...	<a href="#">103</a>	1e-21
<a href="#">gi 12229832 sp P97378 I12S MOUSE</a>	Interleukin-12 receptor be...	<a href="#">103</a>	1e-21
<a href="#">gi 2494727 sp Q90374 PRLR COLLI</a>	PROLACTIN RECEPTOR PRECURSO...	<a href="#">67</a>	7e-11
<a href="#">gi 730343 sp Q08501 PRLR MOUSE</a>	Prolactin receptor precursor...	<a href="#">65</a>	4e-10
<a href="#">gi 548527 sp Q04594 PRLR CHICK</a>	PROLACTIN RECEPTOR PRECURSOR...	<a href="#">64</a>	1e-09
<a href="#">gi 2494725 sp Q28235 PRLR CEREL</a>	PROLACTIN RECEPTOR PRECURSO...	<a href="#">63</a>	1e-09
<a href="#">gi 2494728 sp Q91094 PRLR MELGA</a>	PROLACTIN RECEPTOR PRECURSO...	<a href="#">62</a>	2e-09
<a href="#">gi 2506457 sp P05710 PRLR RAT</a>	Prolactin receptor precursor ...	<a href="#">62</a>	3e-09
<a href="#">gi 6166563 sp Q62959 LEPR RAT</a>	Leptin receptor precursor (LE...	<a href="#">62</a>	4e-09
<a href="#">gi 2494724 sp Q28172 PRLR BOVIN</a>	PROLACTIN RECEPTOR PRECURSO...	<a href="#">60</a>	1e-08
<a href="#">gi 130323 sp P14787 PRLR RABIT</a>	PROLACTIN RECEPTOR PRECURSOR...	<a href="#">59</a>	4e-08
<a href="#">gi 1352612 sp P48356 LEPR MOUSE</a>	Leptin receptor precursor (...)	<a href="#">57</a>	7e-08
<a href="#">gi 1352611 sp P48357 LEPR HUMAN</a>	Leptin receptor precursor (...)	<a href="#">53</a>	2e-06
<a href="#">gi 1168985 sp Q08406 CNTR RAT</a>	Ciliary neurotrophic factor r...	<a href="#">52</a>	4e-06
<a href="#">gi 2494726 sp Q91513 PRLR ORENI</a>	PROLACTIN RECEPTOR PRECURSO...	<a href="#">52</a>	5e-06
<a href="#">gi 1352099 sp P26992 CNTR HUMAN</a>	Ciliary neurotrophic factor...	<a href="#">51</a>	8e-06
<a href="#">gi 125978 sp P10586 PTPF HUMAN</a>	LAR protein precursor (Leuko...	<a href="#">51</a>	8e-06
<a href="#">gi 2494719 sp O09030 I131 MOUSE</a>	Interleukin-13 receptor alp...	<a href="#">49</a>	4e-05
<a href="#">gi 12229808 sp Q91735 EPB3 XENLA</a>	Ephrin type-B receptor 3 p...	<a href="#">48</a>	6e-05
<a href="#">gi 130321 sp P16471 PRLR HUMAN</a>	Prolactin receptor precursor...	<a href="#">47</a>	2e-04
<a href="#">gi 1705964 sp P51641 CNTR CHICK</a>	CILIARY NEUROTROPHIC FACTOR...	<a href="#">45</a>	5e-04
<a href="#">gi 12229805 sp Q07498 EPB3 CHICK</a>	Ephrin type-B receptor 3 (...)	<a href="#">44</a>	9e-04
<a href="#">gi 3182940 sp Q99715 CA1C HUMAN</a>	Collagen alpha 1(XII) chain...	<a href="#">44</a>	0.001
<a href="#">gi 12229834 sp Q60837 I12R MOUSE</a>	Interleukin-12 receptor be...	<a href="#">43</a>	0.002

>[gi|729833|sp|P40189|IL6B HUMAN](#) Interleukin-6 receptor beta chain precursor (IL-6R-beta)  
 (Interleukin 6 signal transducer) (Membrane glycoprotein  
 130) (GP130) (Oncostatin M receptor) (CDw130) (CD130  
 antigen)  
 Length = 918

Score = 229 bits (583), Expect = 1e-59

Identities = 154/550 (28%), Positives = 250/550 (45%), Gaps = 12/550 (2%)

Query: 35 PAKPENISCVYYRKNLTCTWSPGKETS-YTQYTVKRRTYAFGEKHDNCTTNSSTSENRAS 93  
 P KP+N+SC+ K + C W G+ET T +T+K +A K +C T S

Sbjct: 126 PEKPKNLS CIVNEGKKMRCEWDGGRETHLETNFTLKSEWA-THKFADCKAKRDTP---TS 181

Query: 94 CSFFLPRITIPDNYTIEVEAENG DGVKSHMTYWRLENI AKTEPPKIFRVKPV LGIK RMI 153  
 C+ + N + VEAEN G + S + K PP V + ++

Sbjct: 182 CTVDYSTVYFV-NIEVWVEAENALGKVTSDHINFDPVYKVKPNPPHNLSVINSEELSSIL 240

Query: 154 QIEWIKPELAPVSSDLKYTLRFRTVNSTSWMEVNF AKNRKDKNQTYNLTGLQPFTEYVIA 213  
 ++ W P + V LKY +++RT +++W ++ ++ ++ + L+PFTEYV

Sbjct: 241 KLTWTNPSIKSVII-LKYNIQYRTK DASTWSQIP-PEDTASTRSSFTVQDLKPFTEYVFR 298

Query: 214 LRC AVKESK-FWSDWSQEKMGMTEEEAPC-GLELWRV LKPAEADGRRPVRL L WKKARGAP 271  
 +RC ++ K +WSDWS+E G+T E+ P W + P+ G R V+L+WK

Sbjct: 299 IRCMKEDGKGYWSDWSEEASGITYEDRPSKAPSFWYKIDPSHTQGYRTVQLVWKTLP PFE 358

Query: 272 VLEKTLGYNIWYYPE SXXXXXXXXXXXXXXXXXXXXLHLGGESFVWSMISYNSLGKSPVATLRI 331  
 K L Y + ++L + + ++ N +GKS A L I

Sbjct: 359 ANGKILDYEVTL--TRWKS H LQNYTVNATKLTVNLTNDRYL ATLTVRNLVGKSDAAV LTI 416

Query: 332 PAIQEKSFQCI EVMQACVAEDQLVVKWQSSALDVNTWMIEWFPD V DSEPTT LSWESVSQA 391  
 PA ++ + ++A ++ L V+W + V +++EW D P W+

Sbjct: 417 PACDFQATHPVMDLKA FPKDNMLWVEWTT PRESVKKYILEWCVLSDKAPCITD WQQEDGT 476