

Product datasheet

Recombinant Mouse CD130 (gp130) protein ab200504

1 Image

Description

Product name	Recombinant Mouse CD130 (gp130) protein
Purity	> 95 % SDS-PAGE.
Endotoxin level	< 1.000 Eu/μg
Expression system	HEK 293 cells
Accession	Q00560
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Mouse
Sequence	<p>QLLEPCGYYPEFPVQGRSNFTAICVLKEACLQHYYVNAS YMWKTNHA AVPREQVTVINRTSSVTFDVLPSVQLTCNLSFGQIEQN VYGVTMLLS GFPPDKPTNLTCIVNEGKNMLCQWDPGRETYLETNYTLKS EWATEKFPDC QSKHGTSCMVSYMPTYVYVNIWVEAENALGKVSSSEINF DPVDKVKPTP PYNLSVTNSEELSSILKLSWSSGLGLLDLKSDIQYRTKD ASTWIQVPL EDTMSPRTSFTVQDLKPFTEYVFRIRSIKDSGKGYWSDWS EEASGTTYED RPSRPPSFWYKTNPSHGQEYRSVRLIWKALPLSEANGKIL DYEVILTQSK SVSQTYTVTGTETLVNLTNDRYVASLAARNKVGKSAAAVL TIPSPHVTAA YSVVNLKAFPKNLLWVEWTPPPKPVSKYLEWCVLSEN APCVEDWQQED ATVNRTHLRGRLLKESKCYQITVTPVFATGPGGSESLKAYLK QAAPARGPT VRTKKVGKNEAVLAWDQIPVDDQNGFIRNYSISYRTSVGK EMVVHVDSSH TEYTLSSLSSDTLYMVRMAAYTDEGGKDGPEFTFTTPKFA QGEIE</p>

Predicted molecular weight	69 kDa including tags
Amino acids	23 to 617
Tags	His tag C-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab200504** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications SDS-PAGE

Form Lyophilized

Preparation and Storage

Stability and Storage Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 7.40

Constituents: 95% PBS, 5% Trehalose

Reconstitution Reconstitute with sterile deionized water to a concentration of 200 µg/ml.

General Info

Function Signal-transducing molecule. The receptor systems for IL6, LIF, OSM, CNTF, IL11, CTF1 and BSF3 can utilize gp130 for initiating signal transmission. Binds to IL6/IL6R (alpha chain) complex, resulting in the formation of high-affinity IL6 binding sites, and transduces the signal. Does not bind IL6. May have a role in embryonic development (By similarity). The type I OSM receptor is capable of transducing OSM-specific signaling events.

Tissue specificity Found in all the tissues and cell lines examined. Expression not restricted to IL6 responsive cells.

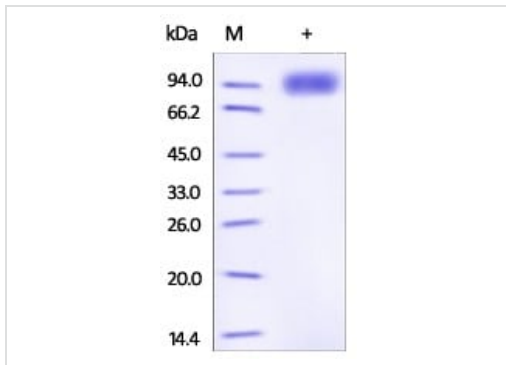
Sequence similarities Belongs to the type I cytokine receptor family. Type 2 subfamily.
Contains 5 fibronectin type-III domains.
Contains 1 Ig-like C2-type (immunoglobulin-like) domain.

Domain The WSXWS motif appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding.
The box 1 motif is required for JAK interaction and/or activation.

Post-translational modifications Phosphorylation of Ser-782 down-regulates cell surface expression.
Heavily N-glycosylated.

Cellular localization Secreted and Cell membrane.

Images



SDS-PAGE - Recombinant Mouse CD130 (gp130)
protein (ab200504)

The purity of ab200504 was determined by DTT-reduced (+) SDS-PAGE and staining overnight with Coomassie Blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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