



[Go to Product page](#)

Datasheet for ABIN7196599
CD130/gp130 Protein (His tag,Fc Tag)

Overview

| | |
|-------------------------------|---|
| Quantity: | 100 µg |
| Target: | CD130/gp130 (IL6ST) |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Biological Activity: | Active |
| Purification tag / Conjugate: | This CD130/gp130 protein is labelled with His tag,Fc Tag. |

Product Details

| | |
|------------------------------|---|
| Purpose: | Recombinant Mouse IL6ST/CD130 Protein (HEK293 Cells, His & Fc Tag)(Active) |
| Sequence: | Met 1-Glu 617 |
| Characteristics: | A DNA sequence encoding the mouse gp130 (NP_034690.3) extracellular domain (Met 1-Glu 617) was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus. |
| Purity: | > 90 % as determined by SDS-PAGE |
| Endotoxin Level: | < 1.0 EU per µg of the protein as determined by the LAL method. |
| Biological Activity Comment: | Measured by its ability to inhibit the IL6 Ra enhancement of IL6 activity on M1 mouse myeloid leukemia cells (Saito, T. et al. 1991, J. Immunol. 147:168.). The ED50 for this effect is typically 0.03-0.15 µg/ml in the presence of 10 ng/ml recombinant human IL6sR and 20 ng/ml recombinant human IL6. |

Target Details

| | |
|-------------------|--|
| Target: | CD130/gp130 (IL6ST) |
| Alternative Name: | IL6ST/CD130 (IL6ST Products) |
| Background: | <p>Background: Glycoprotein 130 (also known as gp130, IL6ST, IL6-beta or CD130) is a transmembrane protein which is the founding member of the class of all cytokine receptors. CD130/gp130 is a signal transducer shared by many cytokines, including interleukin 6 (IL6), ciliary neurotrophic factor (CNTF), leukemia inhibitory factor (LIF), and Oncostatin M (OSM). CD130/gp130 functions as a part of the cytokine receptor complex. The activation of this protein is dependent upon the binding of cytokines to their receptors. CD130/gp130 plays a critical role in regulating myocyte apoptosis. Alternatively spliced transcript variants encoding distinct isoforms have been described. A related pseudogene has been identified on chromosome 17. The receptor systems for IL6, LIF, OSM, CNTF, IL11, CTF1 and BSF3 can utilize gp130 for initiating signal transmission. CD130/gp130 binds to IL6/IL6R (alpha chain) complex, resulting in the formation of high-affinity IL6 binding sites, and transduces the signal. CD130/gp130 may have a role in embryonic development. The type I OSM receptor is capable of transducing OSM-specific signaling events.</p> <p>Synonym: 5133400A03Rik,AA389424,BB405851,CD130,D13Ert699e,gp130</p> |
| Molecular Weight: | 94.7 kDa |
| NCBI Accession: | NP_034690 |
| Pathways: | JAK-STAT Signaling , Cellular Glucan Metabolic Process , Autophagy , Smooth Muscle Cell Migration , Cancer Immune Checkpoints |

Application Details

Restrictions: For Research Use only

Handling

| | |
|------------------|---|
| Format: | Lyophilized |
| Reconstitution: | Please refer to the printed manual for detailed information. |
| Buffer: | Lyophilized from sterile PBS, pH 7.4 |
| Storage: | 4 °C,-20 °C,-80 °C |
| Storage Comment: | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |