

For Research Use Only

Recombinant Rat gp130/IL6ST protein (His Tag)



Catalog Number: Eg0857

Basic Information

Species:
Rat

Purity:
>90 %, SDS-PAGE

Tag:
His Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<1.0 EU/ μ g protein, LAL method

Source:
HEK293-derived Rat gp130/IL6ST protein Gln23-Glu618 (Accession# H9BFG4) with a His tag at the C-terminus.

GeneID:
25205

Accession:
H9BFG4

Predicted Molecular Mass:
68.0 kDa

SDS-PAGE:

Formulation:
Lyophilized from sterile PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

GP130, also known as IL6ST, is a transmembrane protein that serves as a shared signal-transducing subunit for a variety of cytokines, including interleukin-6 (IL-6), IL-11, IL-27, leukemia inhibitory factor (LIF), ciliary neurotrophic factor (CNTF), oncostatin M (OSM), cardiotrophin-1 (CT-1), cardiotrophin-like cytokine (CLC)/CLC factor 1 (CLCF-1), and neuropoietin. This protein is highly conserved among vertebrates and plays a crucial role in mediating interactions between a wide range of immune and non-immune cells. GP130 was originally discovered in 1978 and was successfully cloned and expressed in 1990, leading to a deeper understanding of cytokine signaling pathways.

References

1. Osman, Essam Eldin A, and Nouri Neamati. Pharmacological reviews vol. 76,6 (2024): 1399-1443.
2. Xu, Shili, and Nouri Neamati. Expert opinion on therapeutic targets vol. 17,11 (2013): 1303-28.
3. Andersson, L C et al. Proceedings of the National Academy of Sciences of the United States of America vol. 75,7 (

Synonyms

CD130, Glycoprotein 130, gp130, IL-6 receptor subunit beta, IL-6R subunit beta

Selected Validation Data

For technical support and original validation data for this product please contact

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