

Active Recombinant Rat IL6ST protein, His&mFc-tagged

Cat. No. IL6ST-1964R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rat IL6ST protein(NP_001008725.2)(Met4-Glu618), fused with His&mFc tag, was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	Met4-Glu618
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	Measured by its ability to inhibit the IL6 R α 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 0.015-0.075 μ g/ml in the presence of 50 ng/ml recombinant human IL6sR and 100 ng/ml recombinant human IL6.
Molecular Mass	The recombinant rat IL6ST/Fc is a disulfide-linked homodimer. The reduced monomer comprises 839 amino acids and predicts a molecular mass of 94.3 kDa. The apparent molecular mass of the rat IL6ST/Fc monomer is approximately 130 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per

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	µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
GENE INFORMATION	
Gene Name	Il6st interleukin 6 signal transducer [<i>Rattus norvegicus</i>]
Official Symbol	IL6ST
Synonyms	IL6ST; interleukin 6 signal transducer; interleukin-6 receptor subunit beta; IL-6R subunit beta; membrane glycoprotein 130; IL-6 receptor subunit beta; interleukin-6 signal transducer; oncostatin-M receptor subunit alpha; Gp130; Ac1055; Il-6rb;
Gene ID	25205
mRNA Refseq	NM_001008725
Protein Refseq	NP_001008725

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