Recombinant Mouse Il6st protein(Met1-Glu617), His-tagged

Cat. No. Il6st-4011M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse gp130 (NP_034690.3) (Met 1-Glu 617) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	1-617 a.a.
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1. Measured by its ability to bind mouse IL11Ra in a functional ELISA. 2. Measured by its ability to inhibit the IL-6Rα enhancement of IL-6 activity on M1 mouse myeloid leukemia cells. The ED50 for this effect is typically 0.6-3 μg/mL in the presence of 50 ng/mL recombinant human IL-6sR and 100 ng/mL recombinant human IL-6.
Molecular Mass	The secreted recombinant mouse gp130 consists of 606 amino acids and has a predicted molecular mass of 68 kDa. As a result of glycosylation, the apparent molecular mass of rm gp130 is approximately 80-90 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 97 % as determined by SDS-PAGE

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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 [Mus musculus]
Official Symbol	Il6st
Synonyms	IL6ST; interleukin 6 signal transducer; interleukin-6 receptor subunit beta; IL-6RB; IL-6R-beta; IL-6R subunit beta; membrane glycoprotein 130; IL-6 receptor subunit beta; interleukin-6 signal transducer; oncostatin-M receptor subunit alpha; CD130; gp130; AA389424; BB405851; D13Ertd699e; 5133400A03Rik;
Gene ID	16195
mRNA Refseq	NM_010560
Protein Refseq	NP_034690

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