

## Recombinant Mouse IL6ST protein, Fc-tagged

**Cat. No.** IL6ST-353M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| <b>Product Overview</b> | Recombinant Mouse IL6ST protein (Gln23-Glu617), fused to human IgG1 Fc tag at C-terminus, was expressed in human 293 cells (HEK293).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 595                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | <p>Interleukin-6 receptor subunit beta (IL6ST) is also known as IL-6 receptor subunit beta, IL-6R subunit beta, IL-6R-beta, IL-6RB, Interleukin-6 signal transducer, Membrane glycoprotein 130 (gp130), CD130, Oncostatin-M receptor subunit alpha and Il6st, which is single-pass type I membrane protein. IL6ST/gp130/CD130 can be found in tissues such as brain, heart, thymus, spleen, kidney, lung and liver and found in all the cell lines tested except BaF-B03. The expression of IL-6ST/gp130 is not restricted to IL6-responsive cells. The receptor systems for IL6, LIF, OSM, CNTF, IL11, CTF1 and BSF3 can utilize gp130 for initiating signal transmission. IL6ST/CD130 can bind to IL6/IL6R (alpha chain) complex, resulting in the formation of high-affinity IL6 binding sites, and transduce the signal. IL6ST/GP130 does not bind IL6 and may have a role in embryonic development.</p> |
| <b>Form</b>             | Lyophilized from 0.22 um filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5, 10% trehalose.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Molecular Mass</b>   | The protein has a calculated MW of 93.3 kDa. The protein migrates as 120-130 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

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|                       |                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | under reducing (R) condition (SDS-PAGE) due to glycosylation.                                                                                                                                                                                                                                                                                                              |
| <b>Endotoxin</b>      | Less than 1.0 EU per ug by the LAL method.                                                                                                                                                                                                                                                                                                                                 |
| <b>Purity</b>         | >90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                            |
| <b>Storage</b>        | <p>For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.</p> <p>Please avoid repeated freeze-thaw cycles.</p> <p>This product is stable after storage at:</p> <p>-20 centigrade to -70 centigrade for 12 months in lyophilized state;</p> <p>-70 centigrade for 3 months under sterile conditions after reconstitution.</p> |
| <b>Reconstitution</b> | 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

|                        |                                                                                                                                                                                                                                                                                                                |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | IL6ST                                                                                                                                                                                                                                                                                                          |
| <b>Official Symbol</b> | IL6ST                                                                                                                                                                                                                                                                                                          |
| <b>Synonyms</b>        | 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 |
| <b>Gene ID</b>         | 16195                                                                                                                                                                                                                                                                                                          |
| <b>mRNA Refseq</b>     | NM_010560                                                                                                                                                                                                                                                                                                      |

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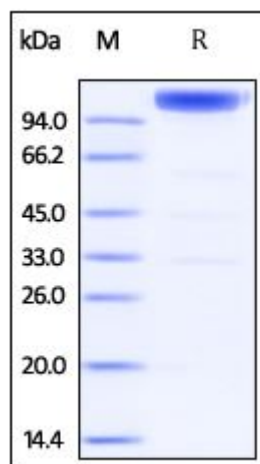
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Protein Refseq NP\_034690

UniProt ID Q6PDI9

SDS-PAGE of IL6ST-353M



Mouse gp130, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

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