

**Synonym**

IL6ST,gp130,CD130,IL-6RB,IL-6R-beta,CDw130

**Source**

Mouse gp130, His Tag (ILT-M52H1) is expressed from human 293 cells (HEK293). It contains AA Gln 23 - Glu 617 (Accession # [NP\\_034690](#)).

Predicted N-terminus: Gln 23

**Molecular Characterization**

gp130(Gln 23 - Glu 617)  
NP\_034690 Poly-his

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 68.5 kDa. The protein migrates as 90-115 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

**Endotoxin**

Less than 1.0 EU per µg by the LAL method.

**Purity**

>95% as determined by SDS-PAGE.

**Formulation**

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

Contact us for customized product form or formulation.

**Reconstitution**

Please see Certificate of Analysis for specific instructions.

*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

**Storage**

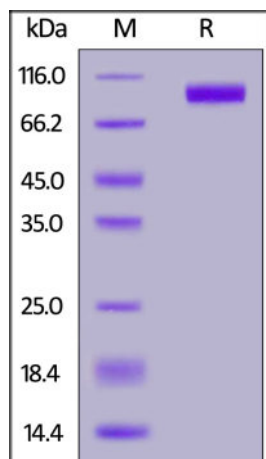
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

**SDS-PAGE**



Mouse gp130, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

**Background**

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.

## References

- (1) [Saito M., et al., 1992, J. Immunol. 148:4066-4071.](#)
- (2) [Wollscheid B., et al., 2009, Nat. Biotechnol. 27:378-386.](#)
- (3) [Tanaka M., et al., 1999, Blood 93:804-815.](#)

Please contact us via [TechSupport@acrobiosystems.com](mailto:TechSupport@acrobiosystems.com) if you have any question on this product.