

**Interleukin-6 receptor subunit beta, 23-617aa, Mouse, His tag, Insect cell**

**Cat.NO.: TP02680**

3th Edition

**Synonyms:** IL6st, 5133400A03Rik, AA389424, BB405851, CD130, D13Ertd699e, gp130

**Description:** IL6st, also known as interleukin-6 receptor subunit beta, is a transmembrane protein which is the founding member of the class of all cytokine receptors. It forms one subunit of the type I cytokine receptor within the IL-6 receptor family. It is often referred to as the common gp130 subunit, and is important for signal transduction following cytokine engagement. As with other type I cytokine receptors, gp130 possesses a WSXWS amino acid motif that ensures correct protein folding and ligand binding. It interacts with Janus kinases to elicit an intracellular signal following receptor interaction with its ligand. Structurally, gp130 is composed of five fibronectin type-III domains and one immunoglobulin-like C2-type (immunoglobulin-like) domain in its extracellular portion. Recombinant mouse IL6st, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

**Form:** Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

**Molecular Weight:** 67.7kDa (603aa) 70-100kDa (SDS-PAGE under reducing conditions)

**Sequences:**

**Purity:** > 95% by HPLC

**Concentration:** 1mg/ml (determined by Absorbance at 280nm)

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.