

## HUMAN CD130 PROTEIN, HFC TAG

**Cat.#:** 11595

**Product Name:** Human CD130 Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** CD130;CDW130;GPI30;IL-6RB

**Target:** CD130

**UNIPROT ID:** P40189

**Description:** Recombinant human CD130 protein with C-terminal human Fc tag

**Background:** The protein encoded by this gene is a signal transducer shared by many cytokines, including interleukin 6 (IL6), ciliary neurotrophic factor (CNTF), leukemia inhibitory factor (LIF), and oncostatin M (OSM). This protein functions as a part of the cytokine receptor complex. The activation of this protein is dependent upon the binding of cytokines to their receptors. vIL6, a protein related to IL6 and encoded by the Kaposi sarcoma-associated herpesvirus, can bypass the interleukin 6 receptor (IL6R) and directly activate this protein. Knockout studies in mice suggest that this gene plays a critical role in regulating myocyte apoptosis. Alternatively spliced transcript variants have been described. A related pseudogene has been identified on chromosome 17.

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 91.19 kDa after removal of the signal peptide.

**Molecular Characterization:** CD130(Glu23-Glu619) hFc(Glu99-Ala330)

**Purity:** The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

**Storage & Shipping:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.