

## HUMAN IL18BP PROTEIN, HFC TAG

**Cat.#:** 11791

**Product Name:** Human IL18BP Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** FVH;IL18BPα

**Target:** IL18BP

**UNIPROT ID:** O95998

**Description:** Recombinant human IL18BP protein with C-terminal human Fc tag

**Background:** The protein encoded by this gene functions as an inhibitor of the proinflammatory cytokine, IL18. It binds IL18, prevents the binding of IL18 to its receptor, and thus inhibits IL18-induced IFN-γ production, resulting in reduced T-helper type 1 immune responses. This protein is constitutively expressed and secreted in mononuclear cells. Elevated level of this protein is detected in the intestinal tissues of patients with Crohn's disease. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Feb 2011]

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 43.8 kDa after removal of the signal peptide. The apparent molecular mass of IL18BP-hFc is approximately 53–70 kDa due to glycosylation.

**Molecular Characterization:** IL18BP(Thr31-Gly194) 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.



Figure 1. Human IL18BP Protein, hFc Tag on SDS-PAGE under reducing condition.