

## HUMAN PIP PROTEIN

**Cat.#:** 12257

**Product Name:** Human PIP Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** GPIP4;BRST-2;GCDFP15;GCDFP-15

**Target:** PIP

**UNIPROT ID:** P12273

**Description:** Recombinant human PIP Protein with C-terminal human Fc tag

**Background:** Enables IgG binding activity; aspartic-type endopeptidase activity; and identical protein binding activity. Involved in several processes, including detection of chemical stimulus involved in sensory perception of bitter taste; negative regulation of T cell apoptotic process; and proteolysis. Located in extracellular space and nucleus. [provided by Alliance of Genome Resources, Apr 2022]

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 39.7 kDa after removal of the signal peptide. The apparent molecular mass of PIP-hFc is approximately 35-55 kDa due to glycosylation.

**Molecular Characterization:** PIP(Gln29-Glu146) 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 PIP Protein, hFc Tag on SDS-PAGE under reducing condition.