

## HUMAN GP6 PROTEIN, HFC TAG

**Cat.#:** 11432

**Product Name:** Human GP6 Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** BDPLT11; GPIV; GPVI

**Target:** GP6

**UNIPROT ID:** Q9HCN6

**Description:** Recombinant Human GP6 with C-terminal human Fc tag

**Background:** This gene encodes a platelet membrane glycoprotein of the immunoglobulin superfamily. The encoded protein is a receptor for collagen and plays a critical role in collagen-induced platelet aggregation and thrombus formation. The encoded protein forms a complex with the Fc receptor gamma-chain that initiates the platelet activation signaling cascade upon collagen binding. Mutations in this gene are a cause of platelet-type bleeding disorder-11 (BDPLT11). Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011]

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 53.1 kDa after removal of the signal peptide. The apparent molecular mass of GP6-hFc is approximately 55-100 kDa due to glycosylation.

**Molecular Characterization:** GP6(Gln21-Lys267) 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.

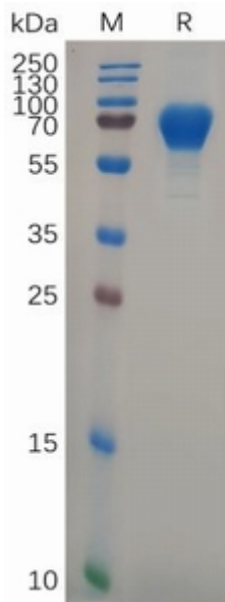


Figure 1. Human GP6 Protein, hFc Tag on SDS-PAGE under reducing condition.