HUMAN GPA33 PROTEIN, HFC TAG

Cat.#: 11589

Product Name: Human GPA33 Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: A33

Target: GPA33

UNIPROT ID: Q99795

Description: Recombinant Human GPA33 with C-terminal human Fc tag

Background: The glycoprotein encoded by this gene is a cell surface antigen that is expressed in greater than 95% of human colon cancers. The open reading frame encodes a 319-amino acid polypeptide having a putative secretory signal sequence and 3 potential glycosylation sites. The predicted mature protein has a 213-amino acid extracellular region, a single transmembrane domain, and a 62-amino acid intracellular tail. The sequence of the extracellular region contains 2 domains characteristic of the CD2 subgroup of the immunoglobulin (Ig) superfamily. [provided by RefSeq, Jul 2008]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 49.8 kDa after removal of the signal peptide. The apparent molecular mass of GPA33-hFc is approximately 55-70 kDa due to glycosylation.

Molecular Characterization: GPA33(Ile22-Val235) 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.

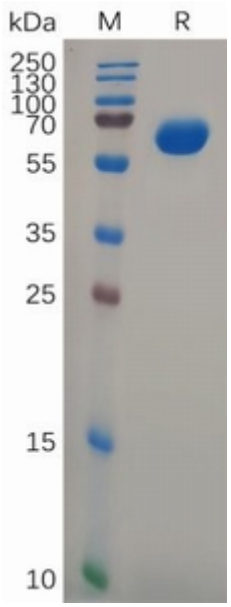

Figure 1. Human GPA33 Protein, hFc Tag on SDS-PAGE under reducing condition.