HUMAN ITGB1 PROTEIN, HFC TAG

Cat.#: 11258

Product Name: Human ITGB1 Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: GPIIA;CD29;VLA-4 subunit beta

Target: ITGB1

UNIPROT ID: P05556

Description: Recombinant human ITGB1 protein with C-terminal human Fc tag

Background: Integrins are heterodimeric proteins made up of alpha and beta subunits. At least 18 alpha and 8 beta subunits have been described in mammals. Integrin family members are membrane receptors involved in cell adhesion and recognition in a variety of processes including embryogenesis, hemostasis, tissue repair, immune response and metastatic diffusion of tumor cells. This gene encodes a beta subunit. Multiple alternatively spliced transcript variants which encode different protein isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 104.5 kDa after removal of the signal peptide. The apparent molecular mass of ITGB1-hFc is approximately 130-250 kDa due to glycosylation.

Molecular Characterization: ITGB1(Gln21-Asp728) 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.

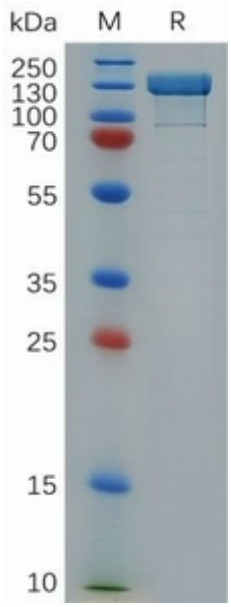

Figure 1. Human ITGB1 Protein, hFc Tag on SDS-PAGE under reducing condition.