

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.

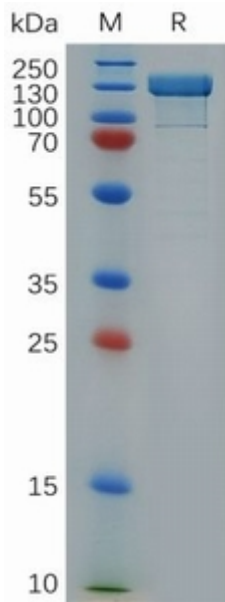


Figure 1. Human ITGB1 Protein, hFc Tag on SDS-PAGE under reducing condition.