HUMAN ITGA2 PROTEIN, HIS TAG

Cat.#: 11498

Product Name: Human ITGA2 Protein

Size : 10 μg, 50 μg and 100 μg

Synonyms: Integrin alpha-2;Collagen receptor;GPIa;CD49b

Target: ITGA2

UNIPROT ID: P17301

Description: Recombinant human ITGA2 Protein with C-terminal 6xHis tag

Background: This gene encodes the alpha subunit of a transmembrane receptor for collagens and related proteins. The encoded protein forms a heterodimer with a beta subunit and mediates the adhesion of platelets and other cell types to the extracellular matrix. Loss of the encoded protein is associated with bleeding disorder platelet-type 9. Antibodies against this protein are found in several immune disorders, including neonatal alloimmune thrombocytopenia. This gene is located adjacent to a related alpha subunit gene. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2012]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 121.8 kDa after removal of the signal peptide. The apparent molecular mass of ITGA2-His is approximately 130-250 kDa due to glycosylation.

Molecular Characterization: ITGA2(Thr30-Thr1132) 6×His tag

Purity: The purity of the protein is greater than 85% 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.

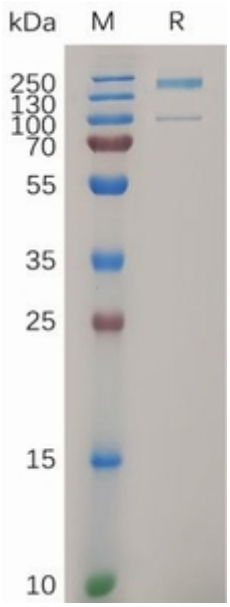

Figure 1. Human ITGA2, His Tag on SDS-PAGE under reducing condition.