

**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) 6xHis 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.

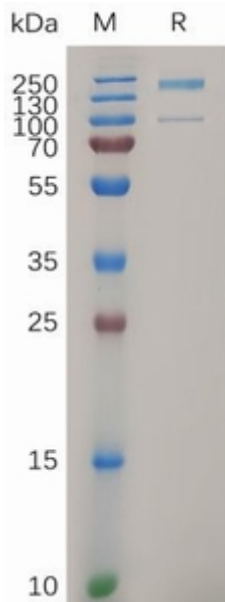


Figure 1. Human ITGA2, His Tag on SDS-PAGE under reducing condition.