

HUMAN CD106 PROTEIN, HIS TAG**Cat.#:** 11562**Product Name:** Human CD106 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** VCAM1;V-CAM 1;VCAM-1;INCAM-100**Target:** CD106**UNIPROT ID:** P19320**Description:** Recombinant human CD106 protein with C-terminal 6xHis tag**Background:** This gene is a member of the Ig superfamily and encodes a cell surface sialoglycoprotein expressed by cytokine-activated endothelium. This type I membrane protein mediates leukocyte-endothelial cell adhesion and signal transduction, and may play a role in the development of atherosclerosis and rheumatoid arthritis. Three alternatively spliced transcripts encoding different isoforms have been described for this gene. [provided by RefSeq, Dec 2010]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 75.1 kDa after removal of the signal peptide. The apparent molecular mass of CD106-His is approximately 100-130 kDa due to glycosylation.**Molecular Characterization:** CD106(Phe25-Glu698) 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.

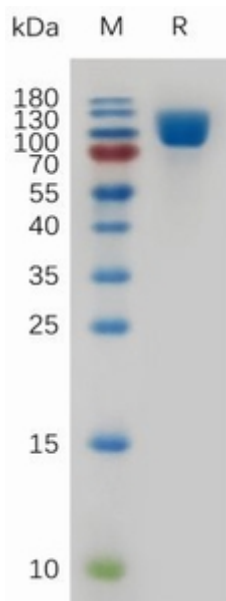


Figure 1. Human CD106 Protein, His Tag on SDS-PAGE under reducing condition.