

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## **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 artherosclerosis 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.



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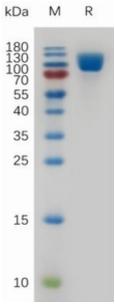


Figure 1. Human CD106 Protein, His Tag on SDS-PAGE under reducing condition.