

**HUMAN CD166 PROTEIN, HIS TAG****Cat.#:** 11466**Product Name:** Human CD166 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** CD166;MEMD**Target:** CD166**UNIPROT ID:** Q13740**Description:** Recombinant human CD166 protein with C-terminal 6xHis tag**Background:** This gene encodes activated leukocyte cell adhesion molecule (ALCAM), also known as CD166 (cluster of differentiation 166), which is a member of a subfamily of immunoglobulin receptors with five immunoglobulin-like domains (VVC2C2C2) in the extracellular domain. This protein binds to T-cell differentiation antigene CD6, and is implicated in the processes of cell adhesion and migration. Multiple alternatively spliced transcript variants encoding different isoforms have been found. [provided by RefSeq, Aug 2011]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 56.8 kDa after removal of the signal peptide. The apparent molecular mass of CD166-His is approximately 55-100 kDa due to glycosylation.**Molecular Characterization:** CD166(Trp28-Ala526) 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 CD166 Protein, His Tag on SDS-PAGE under reducing condition.