

HUMAN CD109 PROTEIN, HIS TAG**Cat.#:** 11916**Product Name:** Human CD109 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** CPAMD7;p180;r150**Target:** CD109**UNIPROT ID:** Q6YHK3**Description:** Recombinant Human CD109 Protein with C-terminal 6xHis tag**Background:** This gene encodes a glycosyl phosphatidylinositol (GPI)-linked glycoprotein that localizes to the surface of platelets, activated T-cells, and endothelial cells. The protein binds to and negatively regulates signalling by transforming growth factor beta (TGF-beta). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2014]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 157.4 kDa after removal of the signal peptide. The apparent molecular mass of CD109-His is approximately 130–250 kDa due to glycosylation.**Molecular Characterization:** CD109(Val22-Ala1420) 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 CD109 Protein, His Tag on SDS-PAGE under reducing condition.