

## HUMAN ADAM9 PROTEIN, HIS TAG

**Cat.#:** 11663

**Product Name:** Human ADAM9 Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** CORD9;MCMP;MDC9;Mltng

**Target:** ADAM9

**UNIPROT ID:** Q13443

**Description:** Recombinant human ADAM9 Protein with C-terminal 6xHis tag

**Background:** This gene encodes a member of the ADAM (a disintegrin and metalloprotease domain) family. Members of this family are membrane-anchored proteins structurally related to snake venom disintegrins, and have been implicated in a variety of biological processes involving cell-cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. The protein encoded by this gene interacts with SH3 domain-containing proteins, binds mitotic arrest deficient 2 beta protein, and is also involved in TPA-induced ectodomain shedding of membrane-anchored heparin-binding EGF-like growth factor. Several alternatively spliced transcript variants have been identified for this gene. [provided by RefSeq, Jul 2010]

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 74.8 kDa after removal of the signal peptide.

**Molecular Characterization:** ADAM9(Ala29-Asp697) 6×His Tag

**Purity:** The purity of the protein is greater than 95% 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.

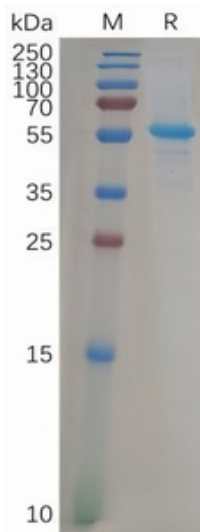


Figure 1. Human ADAM9 Protein, His Tag on SDS-PAGE under reducing (R) conditions.

**Human ADAM9, His tagged protein ELISA**  
0.1  $\mu$ g of Human ADAM9, His tagged protein per well

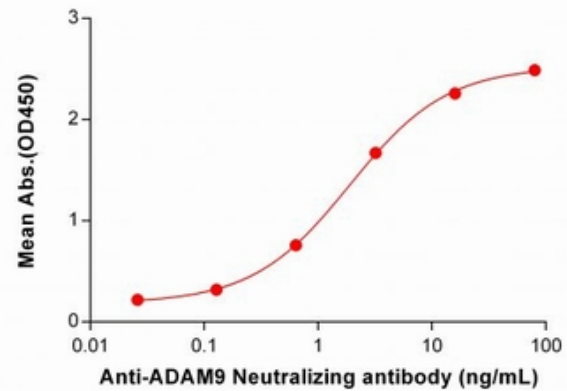


Figure 2. ELISA plate pre-coated by 1  $\mu$ g/ml (100  $\mu$ l/well) Human ADAM9 protein, His Tag (11663) can bind Anti-ADAM9 Neutralizing antibody 28071 in a linear range of 0.128-16 ng/mL.