HUMAN ADAM9 PROTEIN, HFC TAG

Cat.#: 11233

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 Human Fc 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 100.1 kDa after removal of the signal peptide.

Molecular Characterization: ADAM9(Ala29-Asp697) hFc(Glu99-Ala330)

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.

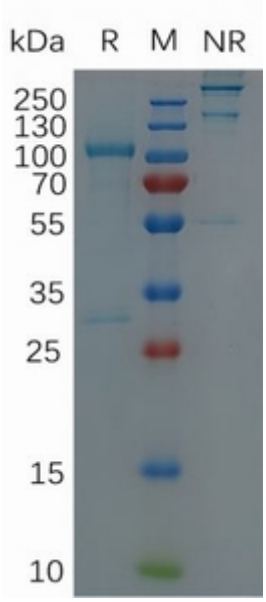

Figure 1. Human ADAM9 Protein, hFc Tag on SDS-PAGE under non-reducing (NR) and reducing (R) conditions.