

HUMAN ADAM8 PROTEIN, HIS TAG**Cat.#:** 11515**Product Name:** Human ADAM8 Protein**Size :** 10 µg, 50 µg and 100 µg**Synonyms:** Cell surface antigen MS2;D156a**Target:** ADAM8**UNIPROT ID:** P78325**Description:** Recombinant human ADAM8 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 may be involved in cell adhesion during neurodegeneration, and it is thought to be a target for allergic respiratory diseases, including asthma. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2009]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 70.6 kDa after removal of the signal peptide. The apparent molecular mass of ADAM8-His is approximately 55–70 kDa and 70–100 kDa due to glycosylation.**Molecular Characterization:** ADAM8(Ile17-Pro655) 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 ADAM8 Protein, His Tag on SDS-PAGE under reducing condition.