

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## **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.



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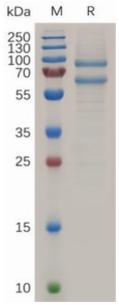


Figure 1. Human ADAM8 Protein, His Tag on SDS-PAGE under reducing condition.