

Rhesus ADAM8 Protein (His Tag)

Catalog Number: 90278-C08H



Sino Biological Inc.

Biological Solution Specialist

General Information

Gene Name Synonym:

CD156; CD156a; MS2; ADAM8; CD156; CD156a; E430039A18Rik; MS2

Protein Construction:

A DNA sequence encoding the rhesus ADAM8 (XP_002805919.1) (Met1-Pro497) was expressed with a polyhistidine tag at the C-terminus.

Source: Rhesus

Expression Host: Human Cells

QC Testing

Purity: (50.8+34.6) % as determined by SDS-PAGE

Bio Activity:

Measured by its ability to cleave a fluorogenic peptide substrate Mca-PLAQAV-Dpa-RSSSR-NH₂, R&D Systems, Catalog # ES003. The specific activity is > 0.5 pmols/min/μg.

Endotoxin:

< 1.0 EU per μg of the protein as determined by the LAL method

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Arg 21

Molecular Mass:

The recombinant rhesus ADAM8 comprises 488 amino acids and has a calculated molecular mass of 53.6 KDa.

Formulation:

Lyophilized from sterile 12.5mM Tris, 5mM CaCl₂, 75mM NaCl, 50% glycerol.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

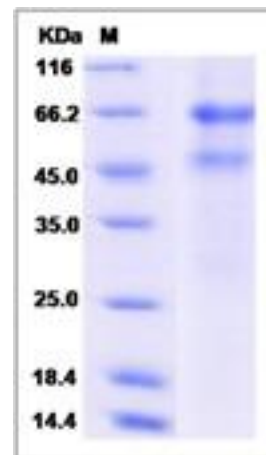
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

ADAM8, also known as CD156, is 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. ADAM8 is possibly involved in extravasation of leukocytes. As a metalloprotease, ADAM8 also may be involved in cell adhesion during neurodegeneration, and it is thought to be a target for allergic respiratory diseases, including asthma.

References

1. Yoshiyama K., *et al.*, (1997), CD156 (human ADAM8): expression, primary amino acid sequence, and gene location. *Genomics* 41:56-62.
2. Ota T., *et al.*, (2004), Complete sequencing and characterization of 21,243 full-length human cDNAs. *Nat. Genet.* 36:40-45.
3. Deloukas P., *et al.*, (2004), The DNA sequence and comparative analysis of human chromosome 10. *Nature* 429:375-381.

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