Rhesus ADAM8 Protein (His Tag)

Catalog Number: 90278-C08H

General Information

Gene Name Synonym:
ADAM8

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: HEK293 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 pmol/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

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