

Mouse ADAM9 Protein

Cat. No. ADM-MM109



Description

Source	Recombinant Mouse ADAM9 Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Gly30-Asp697.
Accession	Q61072
Molecular Weight	The protein has a predicted MW of 77.61 kDa. Due to furin cleavage site, the protein migrates to 60-70 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	>95% as determined by Bis-Tris PAGE
	>95% as determined by HPLC

Formulation and Storage

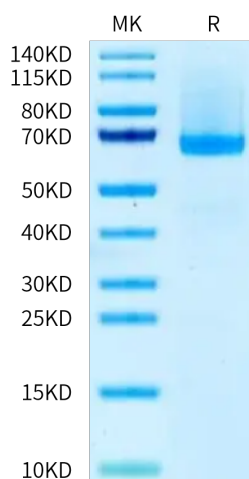
Formulation	Supplied as 0.22µm filtered solution in 50mM Tris, 500mM NaCL, 0.005% Brij-35, 20% Glycerol (pH 8.5).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

A disintegrin and metalloproteinase 9 (ADAM9) is a member of the transmembrane ADAM family. It is expressed in different types of solid cancer and promotes tumor invasiveness. ADAM9 may be a prognostic marker for vestibular schwannomas (VS), and ADAM9 inhibition might have the potential as a systemic approach for the treatment of VS.

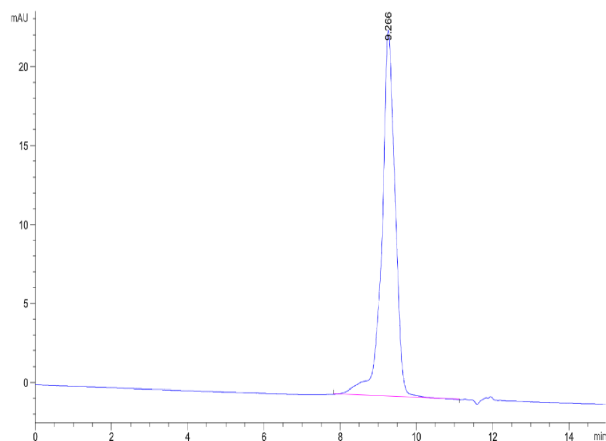
Assay Data

Bis-Tris PAGE



Mouse ADAM9 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Mouse ADAM9 is greater than 95% as determined by SEC-HPLC.

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Assay Data

Bioactivity Data

Measured by its ability to cleave a fluorogenic peptidesubstrate Mca-PLAQAV-Dpa-RSSSR-NH The specificactivity is > 1.0 pmol/min/ug.