

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 65-115 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 90% as determined by Bis-Tris PAGE
	> 90% as determined by HPLC

Formulation and Storage

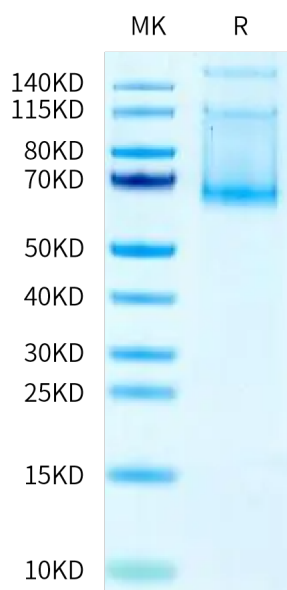
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. 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 90%.

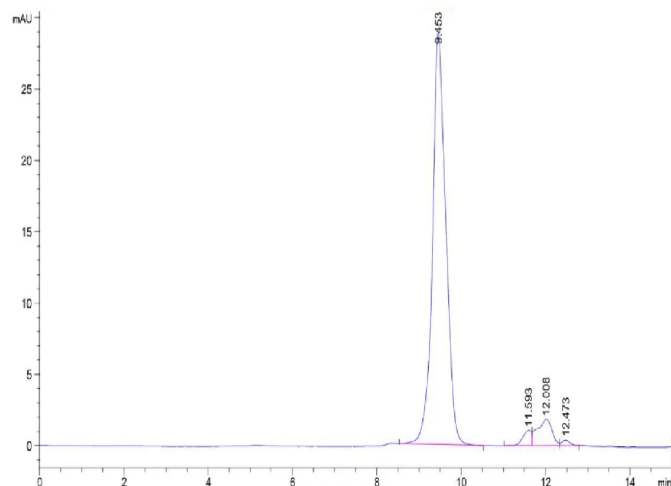
SEC-HPLC

Mouse ADAM9 Protein

Cat. No. ADM-MM109



Assay Data



The purity of Mouse ADAM9 is greater than 90% as determined by SEC-HPLC.

Bioactivity Data

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