

# Mouse ADAM9 Protein

Cat. No. ADM-MM109

## Description

<b>Source</b>	Recombinant Mouse ADAM9 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gly30-Asp697.
<b>Accession</b>	Q61072
<b>Molecular Weight</b>	The protein has a predicted MW of 77.61 kDa. Due to furin cleavage site, the protein migrates to 65-115 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per $\mu\text{g}$ by the LAL method.
<b>Purity</b>	> 90% as determined by Tris-Bis PAGE > 90% as determined by HPLC

## Formulation and Storage

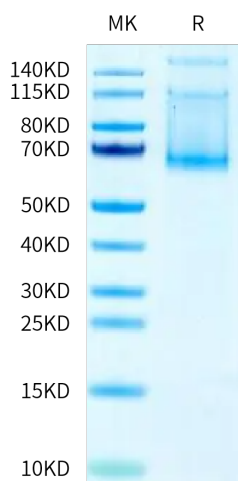
<b>Formulation</b>	Supplied as 0.22 $\mu\text{m}$ filtered solution in 50mM Tris, 500mM NaCl, 0.005% Brij-35, 20% Glycerol (pH 8.5).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize 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.

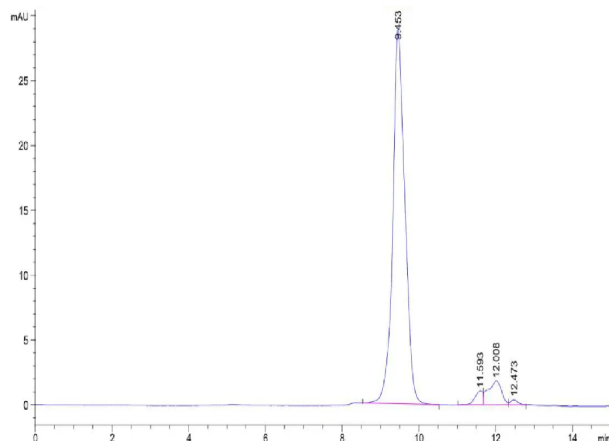
## Assay Data

### Tris-Bis PAGE



Mouse ADAM9 on Tris-Bis PAGE under reduced condition. The purity is greater than 90%.

### SEC-HPLC



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

## Mouse ADAM9 Protein

Cat. No. ADM-MM109



### 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.