

Human ADAM9 Protein

Cat. No. ADM-HM109



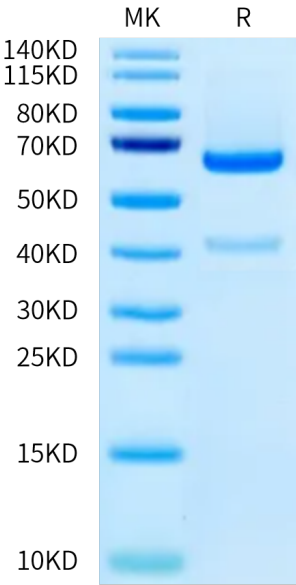
Description	
Source	Recombinant Human ADAM9 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ala29-Asp697.
Accession	Q13443-1
Molecular Weight	The protein has a predicted MW of 77.95 kDa. Due to furin cleavage site, the mature form migrates to 40-45 kDa and 60-70 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

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



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

Bioactivity Data

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