

Human ADAM9 Protein

Cat. No. ADM-HM109

Description

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|-------------------------|---|
| 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 Tris-Bis PAGE result. |
| Endotoxin | Less than 1EU per μg by the LAL method. |
| Purity | > 95% as determined by Tris-Bis PAGE |

Formulation and Storage

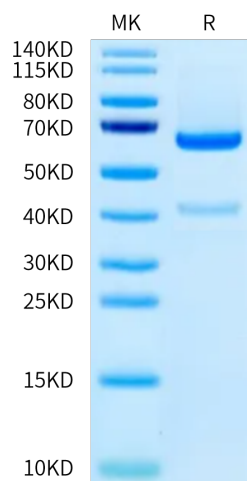
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|--------------------|--|
| Formulation | Supplied as 0.22 μm filtered solution in 50mM Tris, 500mM NaCl, 0.005% Brij-35, 20% Glycerol (pH 8.5). |
| Storage | Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein 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

Tris-Bis PAGE



Human ADAM9 on Tris-Bis 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.