

ADAM9 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P75531
Synonyms:	Disintegrin and metalloproteinase domain-containing protein 9; Meltrin-gamma; ADAM 9
Species:	Mouse
Source:	HEK293
Accession:	Q61072 (M1-D697)
Gene ID:	11502
Molecular Weight:	Approximately 74.9 kDa

PROPERTIES

Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	ADAM9 Protein, a metalloprotease, is implicated in crucial cellular processes associated with tumorigenesis and angiogenesis. This multifaceted enzyme is known to cleave and release various molecules, including TEK, KDR, EPHB4, CD40, VCAM1, and CDH5, highlighting its involvement in modulating key signaling pathways relevant to cancer progression and blood vessel formation. Beyond its role in proteolytic events, ADAM9 is suggested to play a part in mediating cell-cell and cell-matrix interactions, thereby contributing to the regulation of cellular motility, potentially through interactions with integrins. This diverse range of molecular interactions underscores the significance of ADAM9 in influencing cellular behavior and its potential impact on pathological processes.
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Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA