Active Recombinant Monkey ADAM9 Protein, His-tagged, active enzyme

Cat. No. ADAM9-10988H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Cynomolgus ADAM9, His Tag is expressed from human 293 cells (HEK293). It contains AA Ala 206 - Asp 697 (Accession # A0A2K5X4X8-1). This protein carries a polyhistidine tag at the C-terminus. Predicted N-terminus: Ala 206
Species	Monkey
Source	HEK293
ProteinLength	206-697 aa
Description	ADAM9 (A disintegrin and a metalloprotease 9) is a membrane-anchored protein that participates in a variety of physiological functions, primarily through the disintegrin domain for adhesion and the metalloprotease domain for ectodomain shedding of a wide variety of cell surface proteins. ADAM9 influences the developmental process, inflammation, and degenerative diseases.Recently, increasing evidence has shown that ADAM9 plays an important role in tumor biology. Overexpression of ADAM9 has been found in several cancer types and is correlated with tumoraggressiveness and poor prognosis. In addition, through either proteolytic or non-proteolytic pathways, ADAM9 promotes tumor progression, therapeutic resistance, and metastasis of cancers.Therefore, comprehensively understanding the mechanism of ADAM9 is crucial for the development of therapeutic anti-cancer strategies. In this review, we summarize the current understanding of ADAM9 in biological function, pathophysiological diseases, and various cancers. Recent advances in therapeutic

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	strategies using ADAM9-related pathways are presented as well.
Form	Supplied as 0.2 μm filtered solution in 20 mM Tris, 500 mM NaCl, pH7.5 with glycerol as protectant.
Bio-activity	Immobilized Cynomolgus ADAM9, His Tag at 1 μg/mL (100 μL/well) can bind Izeltabart with a linear range of 0.03-1 ng/mL.
Molecular Mass	The protein has a calculated MW of 55.3 kDa. The protein migrates as 65-70 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU/μg by the LAL method/rFC method.
Purity	>95% as determined by SDS-PAGE. >95% as determined by SEC-MALS.
Storage	This product is stable after storage at: The product MUST be stored at -70 centigrade or lower upon receipt; -70 centigrade for 3 months under sterile conditions. Please avoid repeated freeze-thaw cycles.
Concentration	0.2 mg/mL
Shipping	This product is supplied and shipped with dry ice, please inquire the shipping cost.

GENE INFORMATION

Gene Name	ADAM9 ADAM metallopeptidase domain 9 [Macaca fascicularis (crab-eating macaque)]
Official Symbol	ADAM9
Synonyms	ADAM9; ADAM metallopeptidase domain 9; a disintegrin and metalloproteinase

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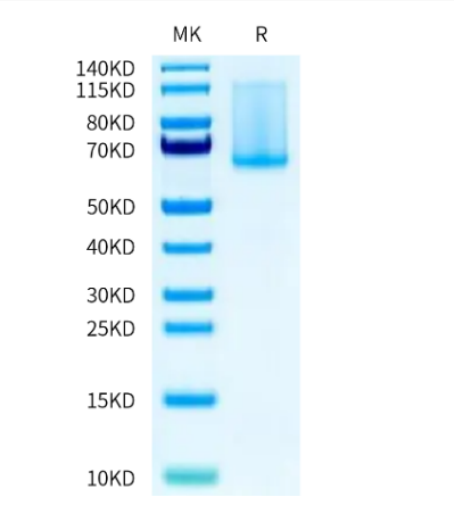
	domain 9 (meltrin gamma), cone rod dystrophy 9, CORD9; disintegrin and metalloproteinase domain-containing protein 9; KIAA0021; MCMP; MDC9; meltrin gamma; Mltng; cone rod dystrophy 9; myeloma cell metalloproteinase; cellular disintegrin-related protein; ADAM metallopeptidase domain 9 (meltrin gamma); metalloprotease/disintegrin/cysteine-rich protein 9; CORD9;
Gene ID	102119780
mRNA Refseq	XM_065519102
Protein Refseq	XP_065375174
UniProt ID	A0A2K5X4X8
SDS-PAGE.	

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