Datasheet for ABIN7482563

ADAM9 Protein (His tag)

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Overview

Quantity:	50 µg
Target:	ADAM9
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This ADAM9 protein is labelled with His tag.

Product Details

Purpose:	Mouse ADAM9 Protein, His Tag (active enzyme, MALS verified)
Sequence:	Ala 206 - Asp 697
Characteristics:	Mouse ADAM9, His Tag is expressed from human 293 cells (HEK293). It contains AA Ala 206 - Asp 697 (Accession # Q61072).
Purity:	95 %
Endotoxin Level:	1.0 EU per µg
Grade:	MALS verified

Target Details

Target:	ADAM9
Alternative Name:	ADAM9 (ADAM9 Products)

Target Details

Background:	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 strategies using ADAM9-related pathways are presented as well.
Molecular Weight:	55.2 kDa
Pathways:	Cellular Response to Molecule of Bacterial Origin, SARS-CoV-2 Protein Interactome

Application Details

Comment:	This protein carries a polyhistidine tag at the C-terminus. (10xHis) The protein has a calculated MW of 55.2 kDa. The protein migrates as 70-80 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	25 mM MES,150 mM NaCl, pH 6.0
Storage:	-80 °C
Storage Comment:	-70°C