

ADAM15 / MDC15 active protein

Recombinant Mouse ADAM15 / MDC15 Protein (His tag)

CATALOG #
AAA173583

HOST
Human Cells

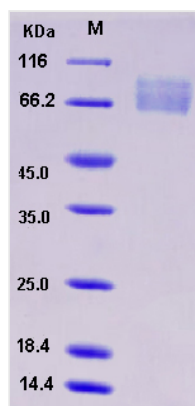
PRODUCT SYNONYMS

ADAM15 / MDC15; Recombinant Mouse ADAM15 / MDC15 Protein (His tag); MDC15; metargidin; ADAM15 / MDC15 active protein

PRODUCT SPECIFICATIONS

Host	Human Cells
Purity/Purification	> 90 % as determined by SDS-PAGE
Form/Format	Lyophilized from sterile PBS, pH 7.4, 5% trehalose, 5% mannitol, 0.01% Tween80.
Sequence Length	864
Source	Mouse
Predicted N Terminal	Arg 18 & Asp 208
Endotoxin	< 1.0 EU per ug of the protein as determined by the LAL method
Bio-Activity	1. Measured by its ability to bind human PTK6 in a functional ELISA. 2. Measured by its ability to bind human SRC in a functional ELISA. 3. Measured by its ability to bind mouse SRC in a functional ELISA. 4. Measured by its ability to bind human LYN in a functional ELISA.
Reconstitute	It is recommended that sterile water (80 ul) be added to the vial to prepare a stock solution of 0.25 mg/mL. Concentration is measured by UV-Vis.
Preparation and Storage	Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted and be used as soon as possible. Avoid repeated freeze-thaw cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for ADAM15 / MDC15 active protein	Background: ADAM15, also known as Metargidin, is a type I transmembrane glycoprotein belonging to the ADAM (A Disintegrin and Metalloprotease Domain) family of proteins and is widely expressed in different tissues and cell type s. Members of this family contain an amino-terminal metalloprotease domain followed by a disintegrin domain, a cysteine-rich region and a membrane proximal EGF-like domain. The disintegrin domain of ADAM15/metargidin contains an RGD tripeptide sequence, suggesting that it may potentially interact with the integrin family of proteins. ADAM15 is a transmembrane multi-domain proteins implicated in proteolysis, cell-cell and cell-matrix interactions in various disease conditions. There is also evidence supporting a role for ADAM15 in angiogenesis and angioinvasion of tumor cells, which are critical for unrestrained tumor growth and metastatic spread. Given its diverse functions, ADAM15 may represent a pivotal regulatory component of tumor progression, an important target for therapeutic intervention, or emerge as a biomarker of disease progression. Description: A DNA sequence encoding the mouse ADAM15 (O88839-1) extracellular domain (Met 1-Thr 697) was expressed, with a C-terminal polyhistidine tag.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	109148517
NCBI GeneID	11490
NCBI Accession #	NP_001032811.2
NCBI GenBank Nucleotide #	NM_001037722.3
UniProt Accession #	O88839; Q3TDN7; Q3U7C2; Q3UE21; Q8C7Z0; Q91VS9; Q9QYL2; A4ZYV2
Molecular Weight	48,417 Da
NCBI Official Full Name	disintegrin and metalloproteinase domain-containing protein 15 isoform a preproprotein
NCBI Official Synonym Full Names	a disintegrin and metalloproteinase domain 15 (metargidin)
NCBI Official Symbol	Adam15
NCBI Official Synonym Symbols	AD56; MDC15
NCBI Protein Information	disintegrin and metalloproteinase domain-containing protein 15
UniProt Protein Name	Disintegrin and metalloproteinase domain-containing protein 15
UniProt Gene Name	Adam15
UniProt Synonym Gene Names	Mdc15; ADAM 15; MDC-15

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.