

A Disintegrin And Metalloprotease 28 (ADAM28) Recombinant Protein | ADAM28 recombinant protein

Recombinant A Disintegrin And Metalloprotease 28 (ADAM28)

CATALOG #	HOST	APPLICATIONS
AAA134290	E Coli	Immunoprecipitation, Immunoprecipitation, ELISA, Western Blot, SDS-Page

PRODUCT SYNONYMS

A Disintegrin And Metalloprotease 28 (ADAM28); Recombinant A Disintegrin And Metalloprotease 28 (ADAM28); ADAM28 recombinant protein

PRODUCT SPECIFICATIONS

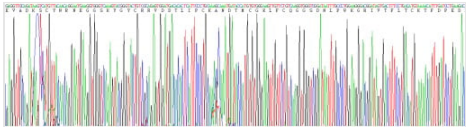
Host	E Coli
Purity/Purification	>98%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300
Sequence	Thetargetp roteinisfu sedwithN-t erminalHis -Tag,itsse quenceisli stedbelow. MGHHHH HHSGSEF-EV ADKSCYNRNE GSKYGYCRR VDDTLIPCKA NDTMCGKLFC QGGSDNLPWK GRIVTFLTCK TFDPEDTSQE IGMVANGTKC GDNKVCINAE CVDIEKAYKS TNCSSKCKGH AVCDHELQCQ CEEGWIPPDC DDSSVVFHFS IVGVLFPM VIFVVVAMVI RHQSSREKQK KDQRPLSTTG TRPHKQKRKP QMVKAVQPQE MSQMKPHVYD LPVEGNEPPA SFHKDTNALP PTVFKDNPVS TPKDSNPK
Sequence Length	775
Applicable Applications for ADAM28 recombinant protein	IP (Colmunoprecipitation), IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Organism	Homo sapiens (Human)
Expression System	Prokaryotic expression
Residues	Glu525-Lys774 (Accession # Q9UKQ2) with N-terminal His-Tag
Tissue Specificity	Spleen, Stomach, Intestine, Brain.
Subcellular Location	Cell membrane; Single-pass type I membrane protein.
Traits	Freeze-dried powder
Predicted isoelectric point	7.5
Predicted Molecular Mass	29.3kDa
Accurate Molecular Mass	34kDa as determined by SDS-PAGE reducing conditions.
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

Preparation and Storage

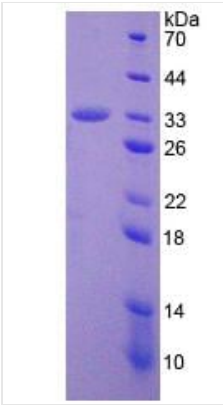
Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months.

Stability Test: The thermal stability is described by the loss rate of the targetprotein. The loss rate was determined by accelerated thermal degradation test,that is, incubate the protein at 37 degree C for 48h, and no obvious degradation andprecipitation were observed. (Referring from China Biological Products Standard,which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

IMAGES



Application Data



SDS-PAGE

EVADKS CYNRNEGGSK YGYCRRVDDT
LIPCKANDTM CGKLFQGGG DNLPHKGRIV TFLTCKTFDP EDTSQEIGMV
ANGTKCGDNK VCINAECDVI EKAYKSTNCS SKCKGHAVCD HELQCQCEEG
WIPPCDDSS VVFHFSIVVG VLFPMVIFV VVAMVIRHQS SREKQKKDQR
PLSTTGTRPH KQKRKPQMVK AVQPQEMSQM KPHVYDLPVE GNEPPASFHK
DTNALPPTVF KDNPVSTPKD SNPK

Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	98985828
NCBI GeneID	10863
NCBI Accession #	NP_055080.2
NCBI GenBank Nucleotide #	NM_014265.4
UniProt Accession #	Q9UKQ2; Q9Y339; Q9Y3S0; B2RMV5
NCBI Official Full Name	disintegrin and metalloproteinase domain-containing protein 28 isoform 1 preproprotein
NCBI Official Synonym Full Names	ADAM metallopeptidase domain 28
NCBI Official Symbol	ADAM28
NCBI Official Synonym Symbols	MDCL; MDC-L; ADAM23; MDC-Lm; MDC-Ls; eMDCII; ADAM 28; eMDC II
NCBI Protein Information	disintegrin and metalloproteinase domain-containing protein 28; metalloproteinase-like, disintegrin-like, and cysteine-rich protein-L; epididymal metalloproteinase-like, disintegrin-like, and cysteine-rich protein II; epididymial metalloproteinase-like, disintegrin-like, and cysteine-rich protein II
UniProt Protein Name	Disintegrin and metalloproteinase domain-containing protein 28
UniProt Gene Name	ADAM28
UniProt Synonym Gene Names	ADAM23; MDCL; ADAM 28; eMDC II; MDC-L
UniProt Entry Name	ADA28_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/adam28-recombinant-protein-e-coli-ip-coimmunoprecipitation-ip-immunoprecipitation-elisa-wb-western-blot-sds-page/134290>