A Disintegrin And Metalloproteinase With Thrombospondin 8 (ADAMTS8) Recombinant Protein | ADAMTS8 recombinant protein

Recombinant A Disintegrin And Metalloproteinase With Thrombospondin 8 (ADAMTS8)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA134487	**E.coli**	**Homo sapiens (Human)**	**Western Blot, SDS-Page**

PRODUCT SYNONYMS

A Disintegrin And Metalloproteinase With Thrombospondin 8 (ADAMTS8); Recombinant A Disintegrin And Metalloproteinase With Thrombospondin 8 (ADAMTS8); ADAMTS8 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Homo sapiens (Human)
Purity/Purification	> 95%
Form/Format	PBS, pH7.4, containing 0.01% SKL .
Concentration	Original Concentration: 200ug/mL (varies by lot)
Applicable Applications for ADAMTS8 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Leu832~Leu889
Tags	N-terminal His Tag
Subcellular Location	Secreted, Extracellular matrix
Traits	Freeze-dried powder
Predicted isoelectric point	6.3
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.
Usage	Reconstitute in PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	**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. 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 and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES

SDS-PAGE

Gene Sequence
Gene Sequencing (extract

Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	153792351
NCBI GeneID	11095
NCBI Accession #	NP_008968.4
NCBI GenBank Nucleotide #	NM_007037.4
UniProt Accession #	Q9UP79; Q9NZS0
Molecular Weight	Predicted Molecular Mass: 7.6kDa Accurate Molecular Mass: 13kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	A disintegrin and metalloproteinase with thrombospondin motifs 8 preproprotein
NCBI Official Synonym Full Names	ADAM metallopeptidase with thrombospondin type 1 motif, 8
NCBI Official Symbol	ADAMTS8
NCBI Official Synonym Symbols	METH2; ADAM-TS8
NCBI Protein Information	A disintegrin and metalloproteinase with thrombospondin motifs 8; METH-2; METH-8; ADAMTS-8; ADAM-TS 8; a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 8
UniProt Protein Name	A disintegrin and metalloproteinase with thrombospondin motifs 8
UniProt Gene Name	**ADAMTS8**
UniProt Synonym Gene Names	METH2; ADAM-TS 8; ADAM-TS8; ADAMTS-8
UniProt Entry Name	ATS8_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/adamts8-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/134487