

Calpastatin Recombinant Protein | CAST recombinant protein

Recombinant Calpastatin (CAST)

CATALOG # AAA150249	HOST E Coli	APPLICATIONS Western Blot, SDS-Page
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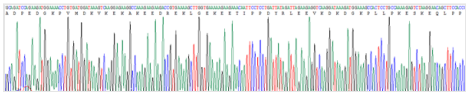
PRODUCT SYNONYMS

Calpastatin; Recombinant Calpastatin (CAST); BS17; Calpain inhibitor; Sperm BS-17 component; CAST recombinant protein

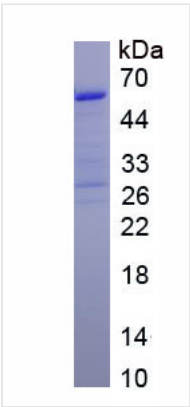
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>80%
Form/Format	Freeze-dried powder 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Sequence Positions	Ala446~Lys636
Sequence Length	1371
Applicable Applications for CAST recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Species	Human
Tag	N-terminal His and GST Tag
Subcellular Location	Cytoplasm, Endoplasmic reticulum lumen
Isoelectric Point	4.4
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	Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Avoid repeated freeze/thaw cycles. Stability: 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



Gene Sequence
Figure. Gene Sequencing (Extract)



SDS-PAGE
Figure. SDS-PAGE

ADDITIONAL INFORMATION

Product Categories/Family for CAST recombinant protein	Signal transduction; Neuro science; Developmental science
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NCBI AND UNIPROT INFORMATION

NCBI GI #	73695936
NCBI GeneID	11093
NCBI Accession #	NP_620596.2
NCBI GenBank Nucleotide #	NP_620596.2
UniProt Accession #	Q76LX8
Molecular Weight	Predicted Molecular Mass: 51.3kDa Accurate Molecular Mass: 58kDa
NCBI Official Full Name	A disintegrin and metalloproteinase with thrombospondin motifs 13 isoform 2 preproprotein
NCBI Official Synonym Full Names	ADAM metalloproteinase with thrombospondin type 1 motif 13
NCBI Official Symbol	ADAMTS13
NCBI Official Synonym Symbols	VWFCP; C9orf8; vWF-CP; ADAM-TS13; ADAMTS-13
NCBI Protein Information	A disintegrin and metalloproteinase with thrombospondin motifs 13
UniProt Protein Name	A disintegrin and metalloproteinase with thrombospondin motifs 13
UniProt Gene Name	ADAMTS13
UniProt Synonym Gene Names	C9orf8; ADAM-TS 13; ADAM-TS13; ADAMTS-13; vWF-CP; vWF-cleaving protease

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/adamts13-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/150249>