

Elastase 1, Pancreatic (ELA1) Recombinant Protein | ELA1 recombinant protein

Recombinant Elastase 1, Pancreatic (ELA1)

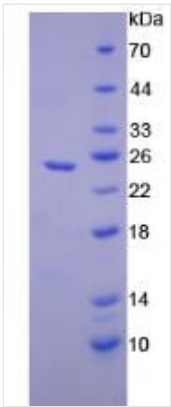
CATALOG # AAA135560	HOST E Coli	REACTIVITY Mouse	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Elastase 1; Pancreatic (ELA1); Recombinant Elastase 1; ELA1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Reactivity	Mouse
Purity/Purification	>98%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300
Concentration	200µg/mL (varies by lot)
Applicable Applications for ELA1 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Leu44~Met259
Tags	N-terminal His-Tag
Tissue Specificity	Pancreas
Subcellular Location	Secreted
Traits	Freeze-dried powder
Predicted isoelectric point	8.6
Predicted Molecular Mass	24.7kDa
Accurate Molecular Mass	24kDa as determined by SDS-PAGE reducing conditions
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) 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.



Sequence

LQYQYGG
SWHHTCGGTL IRSNWVMTAA HCVDSPMTYR VVVGHNLSQ NDGTEQYVNV
QKIVSHPYWN KNNVVAGYDI ALLRLAKSVT LNMVYQLGVL PREGTILANN
SPCYITGWGR TRTNGELAQT LQQAYLPSVS YSICSSSSYW GSSVKNTMVC
AGGDGVRSGC QGDSGGPLHC MVNGQYAVHG VTSFVSSMGC NVARKPTVFT
RVSAYISWM

SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	165932341
NCBI GeneID	109901
NCBI Accession #	NP_291090.2
NCBI GenBank Nucleotide #	NM_033612.2
UniProt Accession #	Q91X79; Q9D936; Q9Z1H1
NCBI Official Full Name	chymotrypsin-like elastase family member 1
NCBI Official Synonym Full Names	chymotrypsin-like elastase family, member 1
NCBI Official Symbol	Cela1
NCBI Official Synonym Symbols	Ela1; Ela-1; PC-TsF; 1810009A17Rik; 1810062B19Rik
NCBI Protein Information	chymotrypsin-like elastase family member 1; elastase-1; elastase 1, pancreatic
UniProt Protein Name	Chymotrypsin-like elastase family member 1
UniProt Gene Name	Cela1
UniProt Synonym Gene Names	Ela1
UniProt Entry Name	CELA1_MOUSE

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.