

Leucine Aminopeptidase 3 Recombinant Protein | LAP3 recombinant protein

Recombinant Human Leucine Aminopeptidase 3

CATALOG #
AAA38037HOST
E Coli

PRODUCT SYNONYMS

Leucine Aminopeptidase 3; Recombinant Human Leucine Aminopeptidase 3; LAP3 Human; Leucine Aminopeptidase 3 Human Recombinant; Peptidase S; PEPS; Proline Aminopeptidase; Leucyl Aminopeptidase; Prolyl Aminopeptidase; EC 3.4.11.1; LAP-3; LAPEP; Epididymis Secretory Protein Li 106; Cytosol Aminopeptidase; EC 3.4.11.5; HEL-S-106; EC 3.4.11; LAP; Cytosol aminopeptidase; Leucine aminopeptidase 3; Leucyl aminopeptidase; Proline aminopeptidase; Prolyl aminopeptidase; LAP3 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 85% as determined by SDS-PAGE.
Form/Format	LAP3 protein solution (0.5mg/ml) containing 20mM Tris-HCl(pH8.5), 50% glycerol, 5mM DTT and 1mM EDTA. Sterile Filtered colorless solution.
Sequence	MGSSHHH HHHSSGLVPR GSHMFL LPLPAAGRVV VRRLAVRRFG SRSLSADMT KGLVLGIYSK EKEDDVPQFT SAGENFDKLL AGKLRETLNI SGPPLKAGKT RTFYGLHQDF PSVVLVGLGK KAAGIDEQEN WHEGKENIRA AVAAGCRQIQ DLELSSVEVD PCGDAQAAAE GAVLGLYEYD DLKQKKKMAV SAKLYGSGDQ EAWQKGVLF SGQNLRQLM ETPANEMTPT RFAEIIIEKNL KSASSKTEVH IRPKSWIEEQ AMGSFLSVAK GSDEPPVFLE IHYKGSPNAN EPPLVFVGKG ITFDGGISI KASANMDLMR ADMGGAATIC SAIVSAAKLN LPINIIGLAP LCENMPSGKA NKPGDVVRK NGKTIQVDNT DAEGRLILAD ALCYAHTFNP KVILNAATLT GAMDVALGSG ATGVFTNSSW LWNKLFEASI ETGDRVWRMP LFEHYTRQVV DCQLADVNNI GKYSAGACT AAAFLKEFVT HPKWAHLDA GVMTNKDEVP YLRKGMTGRP TRTLIEFLLR FSQDNA
Sequence Length	519

ADDITIONAL INFORMATION

Related Product Information for LAP3 recombinant protein	Introduction: Leucine Aminopeptidase 3 also known as LAP3 is a member of the peptidase M17 family. LAP3 is implicated in the processing as well as regular turnover of intracellular proteins. LAP3 catalyzes the removal of unsubstituted N-terminal amino acids from different peptides. LAP3 is responsible of releasing an N-terminal amino acid, Xaa-Yaa-, in which Xaa is preferably Leu, but could be other amino acids including Pro although not Arg or Lys, and Yaa may be Pro. Amino acid amides and methyl esters are as well readily hydrolyzed; however rates on arylamides are exceedingly low. Description: LAP3 Human Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 539 amino acids (1-519 a.a) and having a molecular mass of 58.3kDa. LAP3 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Product Categories/Family for LAP3 recombinant protein	Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	41393561
NCBI GeneID	51056
NCBI Accession #	NP_056991.2
NCBI GenBank Nucleotide #	NM_015907.2

UniProt Accession #	P28838; Q6IAM6; Q6P0L6; Q9UQE3; B3KMQ3
Molecular Weight	52,771 Da
NCBI Official Full Name	cytosol aminopeptidase
NCBI Official Synonym Full Names	leucine aminopeptidase 3
NCBI Official Symbol	LAP3
NCBI Official Synonym Symbols	LAP; PEPS; LAPEP; HEL-S-106
NCBI Protein Information	cytosol aminopeptidase
UniProt Protein Name	Cytosol aminopeptidase
UniProt Gene Name	LAP3
UniProt Synonym Gene Names	LAPEP; PEPS; LAP-3
UniProt Entry Name	AMPL_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://www.aaabiotech.com/lap3-recombinant-protein-e-coli/38037>