

Recombinant Human LAP3, His-tagged

Cat. No. LAP3-27947TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 78-468 of Human LAP3 with an N terminal His tag. Predicted mwt: 43 kDa;
Species	Human
Source	E.coli
ProteinLength	78-468 a.a.
Description	LAP3 is presumably involved in the processing and regular turnover of intracellular proteins. It catalyzes the removal of unsubstituted N-terminal amino acids from various peptides. Reduced enzymatic activity of LAP3 may cause hypertension.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 45 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	LKAGKTRTFYGLHQDFPSVVLVGLGKKAAGIDEQENWHEG KENIRAAVAAGCRQIQ DLELSSVEVDPCGDAQAAAE GA VLGLYEYDDLKQKKKMAVS AKLYGSGDQEAWQ KGVLF A SGQNLARQLMETPANEMTPTRFAEII EK NLKSASSKTEVH IRPKSWIEEQ A

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MGSFLSVAKGSDEPPVFLEIHYKGSFN ANEPPLVFGKGITFDSSGISIKASANMDL
 MRADMGGA ATICSAIVSAAKLNLPINIIGLAPLCENMPSGKANKPGDV VRAKNGKTI
 QVDNTDAEGRILADALCYAHTFNPKVIL NAATLTGAMDVALGSGATGVFTNSSWL
 WNKLFESIET GDRVWRMPLFEHYTRQVDCQLADVNNIGKYRSAGACTAA AFL

GENE INFORMATION

Gene Name	LAP3 leucine aminopeptidase 3 [Homo sapiens]
Official Symbol	LAP3
Synonyms	LAP3; leucine aminopeptidase 3; PEPS, peptidase S; cytosol aminopeptidase; LAP; LAPEP;
Gene ID	51056
mRNA Refseq	NM_015907
Protein Refseq	NP_056991
MIM	170250
Uniprot ID	P28838
Chromosome Location	4p15.33
Pathway	Arginine and proline metabolism, organism-specific biosystem; Arginine and proline metabolism, conserved biosystem; Glutathione metabolism, organism-specific biosystem; Glutathione metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem;

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Function

aminopeptidase activity; magnesium ion binding; manganese ion binding;
metalloexopeptidase activity; peptidase activity;

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