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32-6826: LAP3 Human

Alternative Name :	Leucine Aminopeptidase 3, 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.

Description

Source: Escherichia Coli.
Sterile Filtered colorless solution.
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.
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 Info

Amount :	5 µg / 20 µg
Purification :	Greater than 85% as determined by SDS-PAGE.
Content :	LAP3 protein solution (0.5mg/ml) containing 20mM Tris-HCl(pH8.5), 50% glycerol, 5mM DTT and 1mM EDTA.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

Amino Acid :

MGSSHHHHHH SSGLVPRGSH MFLLPLPAAG RVVVRRLAVR RFGSRSLSTA DMTKGLVLGI YSKEKEDDVP QFTSAGENFD KLLAGKLRET LNISGPPLKA GKTRTFYGLH QDFPSVVLVG LGKKAAGIDE QENWHEGKEN IRAAVAAGCR QIQDLELSSV EVDPCGDAQA AAEGAVLGLY EYDDLKQKKK MAVSAKLYGS GDQEAWQKGV LFASGQNLAR QLMETPANEM TPTRFAEIIE KNLKSASSKT EVHIRPKSWI EEQAMGSFLS VAKGSDEPPV FLEIHYKGSP NANEPPLVFV GKGITFDSGG ISIKASANMD LMRADMGGAA TICSAIVSAA KLNLPINIIG LAPLCENMPS GKANKPGDVV RAKNGKTIQV DNTDAEGRLI LADALCYAHT FNPKVILNAA TLTGAMDVAL GSGATGVFTN SSWLWNKLFE ASIETGDRVW RMPLFEHYTR QVVDCQLADV NNIGKYRSAG ACTAAAFLKE FVTHPKWAHL DIAGVMTNKD EVPYLRKGMT GRPTRTLIEF LLRFSQDNA.