

Datasheet for ABIN7552211
LAP3 Protein (AA 1-519) (His tag)



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Overview

Quantity:	1 mg
Target:	LAP3
Protein Characteristics:	AA 1-519
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LAP3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant LAP3 Protein expressed in mammalian cells.
Sequence:	<p>MFLPLPAAG RVVVRRLAVR RFGSRLSTA DMTKGLVLGI YSKEKEDDVP QFTSAGENFD</p> <p>KLLAGKLRET LNISGPPLKA GKTRTFYGLH QDFPSVVLVG LGKKAAGIDE QENWHEGKEN</p> <p>IRAAVAAGCR QIQDLELSSV EVDPCGDAQA AAEGAVLGLY EYDDLKQKKK MAVSAKLYGS</p> <p>GDQEAQKGV LFASGQNLAR QLMETPANEM TPTRFAEIE KNLKSASSKT EVHIRPKSWI</p> <p>EEQAMGSFLS VAKGSDEPPV FLEIHYKGSP NANEPPLVFV GKGITFDSGG ISIKASANMD</p> <p>LMRADMGGA TICAIVSAA KLNLPINIIG LAPLCENMPS GKANKPGDVG RAKNGKTIQV</p> <p>DNTDAEGR LI LADALCYAHT FNPKVILNAA TLTGAMDVAL GSGATGVFTN SSWLWNLKFE</p> <p>ASJETGDRVW RMPLFEHYTR QVDCQLADV NNIGKYRSAG ACTAAFLKE FVTHPKWAHL</p> <p>DIAGVMTNKD EYPYLRKGMT GRPRTTLIEF LLRFSQDNA Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>

Product Details

Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	LAP3
Alternative Name:	LAP3 (LAP3 Products)
Background:	<p>Cytosol aminopeptidase (EC 3.4.11.1) (Cysteinylglycine-S-conjugate dipeptidase) (EC 3.4.13.23) (Leucine aminopeptidase 3) (LAP-3) (Leucyl aminopeptidase) (Peptidase S) (Proline aminopeptidase) (EC 3.4.11.5) (Prolyl aminopeptidase),FUNCTION: Cytosolic metallopeptidase that catalyzes the removal of unsubstituted N-terminal hydrophobic amino acids from various peptides. The presence of Zn(2+) ions is essential for the peptidase activity, and the association with other cofactors can modulate the substrate specificity of the enzyme. For instance, in the presence of Mn(2+), it displays a specific Cys-Gly hydrolyzing activity of Cys-Gly-S-conjugates. Involved in the metabolism of glutathione and in the degradation of glutathione S-conjugates, which may play a role in the control of the cell redox status. {ECO:0000250 UniProtKB:P00727}.</p>
Molecular Weight:	56.2 kDa

Target Details

UniProt: [P28838](#)

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months