

## Recombinant Mouse Lap3 Protein, Myc/DDK-tagged

Cat. No. Lap3-3753M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length leucine aminopeptidase 3 (Lap3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Cytosolic metallopeptidase that catalyzes the removal of unsubstituted N-terminal hydrophobic amino acids from various peptides. The presence of Zn <sup>2+</sup> 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 <sup>2+</sup> , 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.
<b>Molecular Mass</b>	56.1 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** Lap3 leucine aminopeptidase 3 [ Mus musculus (house mouse) ]

**Official Symbol** Lap3

**Synonyms** LAP3; leucine aminopeptidase 3; cytosol aminopeptidase; peptidase 7; peptidase S; leucyl aminopeptidase; prolyl aminopeptidase; proline aminopeptidase; Lap; Pep7; Peps; LAP-3; Lapep; Pep-7; Pep-S; AA410100; 2410015L10Rik

**Gene ID** 66988

**mRNA Refseq** NM\_024434

**Protein Refseq** NP\_077754

**UniProt ID** Q9CPY7

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