Recombinant Mouse Lta4h protein, His & T7-tagged

Cat. No. Lta4h-7956M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Lta4h aa. (Gln135~Glu272 (Accession # P24527)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Gln135~Glu272
Description	The protein encoded by this gene is an enzyme that contains both hydrolase and aminopeptidase activities. The hydrolase activity is used in the final step of the biosynthesis of leukotriene B4, a proinflammatory mediator. The aminopeptidase activity has been shown to degrade proline-glycine-proline (PGP), a neutrophil chemoattractant and biomarker for chronic obstructive pulmonary disease (COPD). Two transcript variants encoding different isoforms have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 19.1kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 4.8.

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Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	Lta4h leukotriene A4 hydrolase [Mus musculus (house mouse)]
Official Symbol	Lta4h
Synonyms	Lta4h; leukotriene A4 hydrolase; leukotriene A-4 hydrolase; LTA-4 hydrolase; LTA4 hydrodase
Gene ID	16993
mRNA Refseq	NM_001313897.1
Protein Refseq	NP_001300826.1

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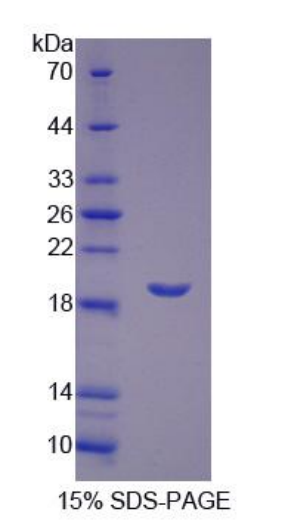
UniProt ID	P24527
SDS-PAGE	 15% SDS-PAGE

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