Recombinant Human LTA4H Protein, His-tagged

Cat. No. LTA4H-2406H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LTA4H Protein (Pro2-Gly286) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Pro2-Gly286
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). Several transcript variants encoding different isoforms have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 35.2 kDa Accurate Molecular Mass: 35 kDa
Endotoxin	<1.0 EU per 1μg (determined by the LAL method).
Purity	> 90%

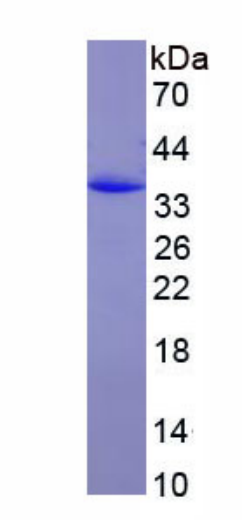
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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	LTA4H leukotriene A4 hydrolase [Homo sapiens (human)]
Official Symbol	LTA4H
Synonyms	LTA4H; leukotriene A4 hydrolase; leukotriene A-4 hydrolase; LTA-4 hydrolase; FLJ17564;
Gene ID	4048
mRNA Refseq	NM_000895
Protein Refseq	NP_000886

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MIM	151570
UniProt ID	P09960
	

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