

## Recombinant Human LTA4H Protein, His-tagged

Cat. No. LTA4H-315H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human LTA4H fused with His tag at C-terminal was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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 B <sub>4</sub> , 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.
<b>Form</b>	Supplied as a 0.2 μM filtered solution of 20mM MES, 2mM EDTA, 20%Glycerol, pH5.0
<b>Molecular Mass</b>	70.3kD
<b>AA Sequence</b>	MPEIVDTCSLSPASVCR TKHLHLRCSVDFTRRTLGTAAALTVQSQEDNLRSLVLDTKDLTIEKV VINGQEVKYALGERQSYKGSPMEISLPIALSKNQEIVIEISFETSPKSSALQWLTPEQTSKGKEHPYLF SQCAIHCRAILPCQDTPSVKLT YTAEVSVPKELVALMSAIRDGETPDPE DPSRKIYKFIQKVPIPCYLIALVVGALSRQIGPRTLWSEKEQVEKSAYEFSETESMLKIAEDLGGPYVWGQYDLLVLPSPFPYGGMENPCLTFVTPTLLAGDKSLSNVIAHEISHSWTGNLVTNKTWDHFWLNEGHTVYLERHICGRLFG EKFRHFNALGGWGELQNSVKTFGETHPFTKLVVDLTDIDPDVAYSSVPYEKGFALLFYLEQLLGGPEIF

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LGFLKAYVEKFSYKSITDDWKDFLYSYFKDKVDVLNQVDWNAWLYSPGLPPIKPNY  
 DMTLTNACIALSQRWITAKEDDLNSFNATDLKDLSSHQLNEFLAQTQRAPLPLGHK  
 RMQEVYNFNAINNSEIRFRWLRLCIQSKWEDAIPALALMATEQGRMKFTRPLFKDLA  
 AFDKSHDQAVRTYQEHKASMHPVTAMLVGKDLKVDVDHHHHHH

**Endotoxin** Endotoxin level is <0.1 ng/g of protein (<1EU/g).

**Purity** >95% as determined by SDS-PAGE and Coomassie blue staining

## GENE INFORMATION

**Gene Name** LTA4H leukotriene A4 hydrolase [ Homo sapiens ]

**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

**MIM** 151570

**UniProt ID** P09960

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