

# Recombinant Human LTA4H Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. LTA4H-6539H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	LTA4H MS Standard C13 and N15-labeled recombinant protein (NP_000886) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<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 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.
<b>Molecular Mass</b>	69.3 kDa
<b>AA Sequence</b>	MPEIVDTCSLASPASVCR TKHLHLRCSVDFTRRTLGTAAALTVQSQEDNLRSLVLDTKDLTIEKV VINGQEVKYALGERQSYK GSPMEISLPIALSKNQEIVIEISFETSPKSSALQWLTPEQTS GKEHPYLF SQCQAIHCRAILPCQDTPSVKLT YTAEVSVPKELVALMSAIRDGETPDPE DPSRKIYKFIQKVPIPCYLIALVGALESRQIGPRTLWSEKEQVEKSAYEFSETESMLKIAEDLG GPYVWGQYDLLVPPSFPYGGMENPCLTFVTP TLLAGDKSLSNVIAHEISHSWTGNLV TNKTWDHFWLNEGHTVYLERHICGRLFG EKFRHFNALGGWGELQNSVKTFGETHPFTKLVVDLTDIDPDVAYSSVPYEKGFALLFYLEQLLGGPEIF

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LGFLKAYVEKFSYKSITDDWKDFLYSYFKDKVDVLNQVDWNAWLYSPGLPPIKPNY  
 DMTLTNACIALSQRWITAKEDDLNSFNATDLKDLSSHQLNEFLAQLQRAPLPLGHK  
 RMQEVYNFNAINNSEIRFRWLRLCIQSKWEDAIPALALMATEQGRMKFTRPLFKDLA  
 AFDKSHDQAVRTYQEHKASMHPVTAMLVGKDLKVDTRTRPLEQKLISEEDLAANDIL  
 DYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## 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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SDS-PAGE



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