

# Recombinant Full Length Human LTA4H Protein, C-Flag-tagged

Cat. No. LTA4H-1096HFL Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human LTA4H Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<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>	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	69.1 kDa
<b>AA Sequence</b>	MPEIVDTCSLSPASVCR TKHLHLRCSVDFTRRTLGTAAALTVQSQEDNLRSLVLDT KDLTIEKVINGQ EVKYALGERQSYKGPMEISLPIALSKNQEIVIEISFETSPKSSAL QWLTPEQTSKGEPYLFSSQCQAIH CRAILPCQDTPSVKLTYYAEVSVPKELVALMSA IRDGETPDPEPDRSRKIYKFIQKVPIPCYLIALLVVGAL ESRQIGPRTLWSEKEQVEKS AYEFSETESMLKIAEDLGGPYVWGQYDLLVLPPSFPYGGMENPCLTFVT PTLLAGD KLSLSNVIAHEISHSWTGNLVTNKTWDHFWLNEGHTVYLERHICGRLFGEKFRHFNAL

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GGWGEL QNSVKTFGETHPFTKLVVDLTDIDPDVAYSSVPYEKGFALLFYLEQLLGG  
PEIFLGFLKAYVEKFSYKSI TTDDWKDFLYSYFKDKVDVNLNQVDWNAWLYSPGLPPI  
KPNYDMTLTNACIALSQRWITAKEDDLNSFNAT DLKDLSSHQLNEFLAQTQLQRAPLP  
LGHIKRMQEVYNFNAINNSEIRFRWLRLCIQSKWEDAIPALKMAT  
EQGRMKFTRPLFKDLAAFDKSHDQAVRTYQEHKASMHPVTAMLVGKDLKVDTRTR  
PLEQKLISEEDLAANDILDYKDDDDKV

<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.
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method.
<b>Preparation</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Protein Families</b>	Druggable Genome, Protease
<b>Protein Pathways</b>	Arachidonic acid metabolism, Metabolic pathways
<b>Full Length</b>	Full L.

## GENE INFORMATION

<b>Gene Name</b>	LTA4H leukotriene A4 hydrolase [ Homo sapiens (human) ]
<b>Official Symbol</b>	LTA4H

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<b>Synonyms</b>	leukotriene A4 hydrolase
<b>Gene ID</b>	4048
<b>mRNA Refseq</b>	NM_000895.3
<b>Protein Refseq</b>	NP_000886.1
<b>MIM</b>	151570
<b>UniProt ID</b>	P09960



Coomassie blue staining of purified LTA4H protein.

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