

Recombinant Full Length Human LTA4H Protein, GST-tagged

Cat. No. LTA4H-6062HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human LTA4H full-length ORF (NP_000886.1, 1 a.a. - 611 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	611 amino acids
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. [provided by RefSeq, Sep 2015]
Molecular Mass	95.7 kDa
AA Sequence	MPEIVDTCSLASPASVCRTKHLHLRCSVDFTRRTLGTAAALTVQSQEDNLRSLVLDT KDLTIEKVINGQEVKYALGERQSYKGSPMEISLPIALSKNQEIVIEISFETSPKSSALQ WLTPEQTSGKEHPYLFSSQCQAIHCRAILPCQDTPSVKLTYYAEVSVPKELVALMSAIR DGETPDPEPDSRKIYKFIQKVPIPCYLIALVVGALSRQIGPRTLWSEKEQVEKSAY EFSETESMLKIAEDLGGPYVWGQYDLLVLPPSFPYGGMENPCLTFVTPTLLAGDKSL SNVIAHEISHSWTGNLVTNKTWDHFWLNEGHTVYLERHICGRLFGKEKFRHFNALGG

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WGELQNSVKTFGETHPFTKLVDLTIDPDVAYSSVPYEKGFALLFYLEQLLGGPEIF
 LGFLKAYVEKFSYKSITDDWKDFLYSYFKDKVDVLNQVDWNALYSPGLPPIKPNY
 DMTLTNACIALSQRWITAKEDDLNSFNATDLKDLSSHQLNEFLAQTLQRAPLPLGHIK
 RMQEVYNFNAINNSEIRFRWLRLCIQSKWEDAIPALKMATEQGRMKFTRPLFKDLA
 AFDKSHDQAVRTYQEHKASMHPVTAMLVGKDLKVD

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

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MIM	151570
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UniProt ID	P09960
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