

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

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

SPECIFICATION

Product Overview	Recombinant Full Length Human LTA4H Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	69.1 kDa
AA Sequence	MPEIVDTCSLASPASVCRTKHLHLRCSVDFTRRTLGTAAALTVQSQEDNLRSLVLDT KDLTIEKVINGQ EVKYALGERQSYKGSPMEISLPIALSKNQEIVIEISFETSPKSSAL QWLTPEQTSQKEHPYLFSSQCQAIH CRAILPCQDTPSVKLTYYAEVSVPKELVALMSA IRDGETPDPEPDSRKIYKFIQKVPIPCYLIALVVGAL ESRQIGPRTLWSEKEQVEKS AYEFSETESMLKIAEDLGOPYVWGQYDLLVLPPSFPYGGMENPCLTFVT PTLLAGD KSLSNVIAHEISHSWTGNLVTNKTWDHFWLNEGHTVYLERHICGRLFGEKFRHFNAL

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GGWGEL QNSVKTFGETHPFTKLVDLTDDIDPDVAYSSVPYEKGFALLFYLEQLLGG
 PEIFLGFLKAYVEKFSYKSI TTDDWKDFLYSYFKDKVDVLNQVDWNALYSPGLPPI
 KPNYDMTLTNACIALSQRWITAKEDDLNSFNAT DLKDLSSHQLNEFLAQTQLQRAPLP
 LGHIKRMQEVYNFNAINNSEIRFRWLRLCIQSKWEDAIPALKMAT
 EQGRMKFTRPLFKDLAAFDKSHDQAVRTYQEHKASMPVTAMLVGKDLKVDTRTR
 PLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Protease
Protein Pathways	Arachidonic acid metabolism, Metabolic pathways
Full Length	Full L.

GENE INFORMATION

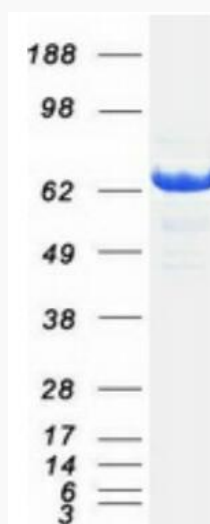
Gene Name	LTA4H leukotriene A4 hydrolase [Homo sapiens (human)]
Official Symbol	LTA4H

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



Coomassie blue staining of purified LTA4H protein.