

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

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

SPECIFICATION

Product Overview	LTA4H MS Standard C13 and N15-labeled recombinant protein (NP_000886) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	69.3 kDa
AA Sequence	MPEIVDTCSLSPASVCRTKHLHLRCSVDFTRRTLGTAAITVQSQEDNLRSLVLDT KDLTIEKVINGQEVKYALGERQSYKGSPMEISLPIALSKNQEIVIEISFETSPKSSALQ WLTPEQTSGKEHPYLFSCQAIHCRAILPCQDTPSVKLTYYAEVSPKELVALMSAIR DGETDPDPEDPSRKIYKFIQKVPIPCYLIALVGALESRQIGPRTLWSEKEQVEKSAY EFSETESMLKIAEDLGGPYVWGQYDLLVLPSPFYGGMENPCLTFVTPTLLAGDKSL SNVIAHEISHSWTGNLVTNKTWDHFWLNEGHTVYLERHICGRFLFGEKFRHFNALGG WGELQNSVKTFGETHPFTKLVDLTDIDPDVAYSSVPYEKGFALLFYLEQLLGGPEIF

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

LGFLKAYVEKFSYKSITDDWKDFLYSYFKDKVDVLNQVDWNAWLYSPGLPPIKPNY
DMTLTNACIALSQRWITAKEDDLNSFNATDLKDLSSHQLNEFLAQTQLQRAPLPLGHIK
RMQEVYNFNAINNSEIRFRWLRLCIQSKWEDAIPALKMATEQGRMKFTRPLFKDLA
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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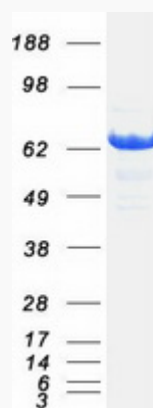
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MIM 151570

UniProt ID P09960

SDS-PAGE



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