

Recombinant Human LTA4H protein, T7/His-tagged

Cat. No. LTA4H-84H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human LTA4H cDNA (610 aa, derived from BC032528) fused with T7-His-TEV cleavage site Tag (31aa) at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Form	0.20 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, Sucrose and DTT.
AA Sequence	MASMTGGQQMGRGRHHHHHHENLYFQGGEFGSPEIVDTCSLSPASVCRTKHLHLR CSVDFTRRTLGTAAALTVQS QEDNLRSLVLDTKDLTIEKVINGQEVKYALGERQSY KGSPMEISLPIALSKNQEIVIEISFETSPKSSALQWLT PEQTSGKEHPYLFSSQCQAIHC RAILPCQDTPSVKLTYTAEVSVPKELVALMSAIRDGETDPEDPSRKIYKFIQK VPIPC YLIALVVGALSRQIGPRTLWSEKEQVEKSAYEFSETESMLKIAEDLGGPYVWGQY DLLVLPPSFPYGG MENPCLTFVTPTLLAGDKSLSNVIAHEISHSWTGNLVTNKTWDH FWLNEGHTVYLERHICGRLFGEKFRHFNALG GWGELQNSVKTFGETHPFTKLVDL TDIDPDVAYSSVPYEKGFALLFYLEQLLGGPEIFLGFLKAYVEKFSYKSI TTDDWKDF LYSYFKDKVDVLNQVDWNAWLYSPGLPPIKPNYDMTLTNACIALSQRWITAKEDDLN SFNATDLKDL SSHQLNEFLAQTQLQRAPLPLGHIKRMQEVYNFNAINNSEIRFRWLRL CIQSKWEDAIPALKMATEQGRMKFTRP LFKDLAAFDKSHDQAVRTYQEHKASMHP VTAMLVGKDLKVD
Purity	>90% by SDS-PAGE

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Applications

1. May be used for in vitro LTA4H protein mediated inflammation / insulin resistance regulation in macrophage / liver cells study by intracellular delivery of this protein with "ProFectin" reagent. 2. May be used for mapping LTA4H protein-protein interaction. 3. As antigen for specific antibody production.

Storage

Keep at -80centigrade for long term storage. Product is stable at 4 centigrade for at least 30 days.

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

MIM 151570

UniProt ID P09960

Chromosome Location 12q22

Pathway Arachidonic acid metabolism, organism-specific biosystem; Arachidonic acid

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metabolism, conserved biosystem; Eicosanoid Synthesis, organism-specific biosystem; Leukotriene synthesis, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem

Function

aminopeptidase activity; binding; epoxide hydrolase activity; epoxide hydrolase activity; leukotriene-A4 hydrolase activity; leukotriene-A4 hydrolase activity; metal ion binding; metallopeptidase activity; peptidase activity; zinc ion binding;

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