

Recombinant Human LTA4H Protein, His-tagged

Cat. No. LTA4H-51H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human LTA4H(1-610) protein with a C-terminal His-tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-610
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 B ₄ , 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 kDa
Purity	≥90% estimated by SDS-PAGE
Unit Definition	One unit is the amount of enzyme required to release 1 mmol per min of 4-nitro-anilide (pNA) at 26 centigrade in a reaction containing 40 mM L-Ala-pNA in 50 mM Tris pH 8.0, measured by absorbance at 405 nm.
Applications	Enzyme Activity

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Stability	≥ 1 year
Storage	Store it at -80 centigrade
Storage Buffer	100 mM Tris, pH 8.0, with 100 mM potassium chloride and 20% glycerol

GENE INFORMATION

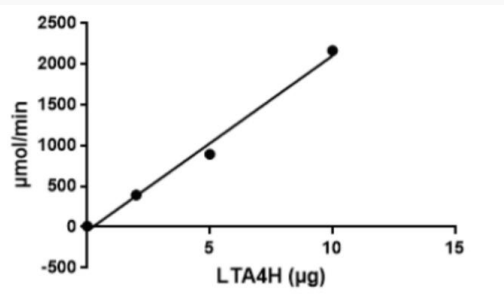
Gene Name	LTA4H leukotriene A4 hydrolase [Homo sapiens (human)]
Official Symbol	LTA4H
Synonyms	LTA4H; leukotriene A4 hydrolase; leukotriene A-4 hydrolase; LTA-4 hydrolase; testicular secretory protein Li 27
Gene ID	4048
mRNA Refseq	NM_000895
Protein Refseq	NP_000886
MIM	151570
UniProt ID	P09960

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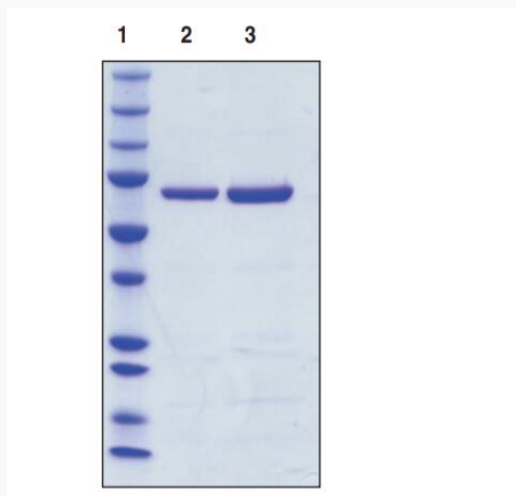
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LTA4 Hydrolase Activity



SDS-PAGE Analysis of LTA4H



Lane 1: MW Markers; Lane 2: LTA4 Hydrolase (2 μg); Lane 3: LTA4 Hydrolase (4 μg). Representative gel image shown; actual purity may vary between each batch.