

Product datasheet for TP307617L

Leukotriene A4 hydrolase (LTA4H) (NM_000895) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human leukotriene A4 hydrolase (LTA4H), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207617 protein sequence Red=Cloning site Green=Tags(s)

MPEIVDTCSLASPASVCRTKHLHLRCSVDFTRRRLTGTAALTVQSQEDNLRSLVLDTKDLTIEKVVINGQ
 EVKYALGERQSYKGSPEISLPIALSKNQEIVIEISFETSPKSSALQWLTPEQTSKGHEPYLFSQCQAIH
 CRAILPCQDTPSVKLYTAEVSVPKELVALMSAIRDGETPDPEDPSRKIYKFIQKVPICYLIALVVGAL
 ESRQIGPRTLWSEKEQVEKSAYEFSETESMLKIAEDLGGPYVWGQYDLLVLPSPFPYGGMENPCLTFVT
 PTLLAGDKSLSNVIAHEISHSWTGNLVNKTWDHFWLNEGHTVYLERHICGRFLGGEKFRHFNALGGWGEL
 QNSVKTFGETHPFTKLVDLTDIDPDVAYSSVPYEKGFALLFYLEQLLGGPEIFLGFLKAYVEKFSYKSI
 TTDDWKDFLYSYFKDKVDVLNQVDWNAWLYSPGLPIKPNYDMTLTNACIALSQRWITAKEDDLNSFNAT
 DLKDLSSHQLNEFLAQLQRAPLPLGHIKRMQEVYFNAINNSEIRFRWLRLCIQSKWEDAIPALKMAT
 EQGRMKFTRPLFKDLAAFDKSHDQAVRTYQEHKASMHPVTAMLVGGKDLKVD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

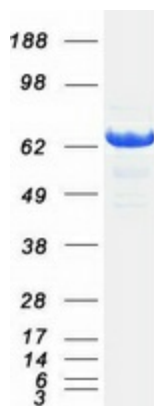
Tag:	C-Myc/DDK
Predicted MW:	69.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_000886
Locus ID:	4048
UniProt ID:	P09960 , A0A140VK27
RefSeq Size:	2214
Cytogenetics:	12q23.1
RefSeq ORF:	1833
Summary:	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]
Protein Families:	Druggable Genome, Protease
Protein Pathways:	Arachidonic acid metabolism, Metabolic pathways

Product images:



Coomassie blue staining of purified LTA4H protein (Cat# [TP307617]). The protein was produced from HEK293T cells transfected with LTA4H cDNA clone (Cat# [RC207617]) using MegaTran 2.0 (Cat# [TT210002]).