

## Product datasheet for **TP307617M**

### Leukotriene A4 hydrolase (LTA4H) (NM\_000895) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human leukotriene A4 hydrolase (LTA4H), 100 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC207617 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MPEIVDTCSLASPASVCRTHLHLRCSVDFTRRRLTGTAALTVQSQEDNLRSLVLDTKDLTIEKVVINGQ  
EVKYALGERQSYKGSPEISLPIALSKNQEIVIEISFETSPKSSALQWLTPEQTSKGHEPYLFSQCQAIH  
CRAILPCQDTPSVKLTAEVSVPKELVALMSAIRDGETPDPEDPSRKIYKFIQKVPICYLIALVVGAL  
ESRQIGPRTLWSEKEQVEKSAYEFSETESMLKIAEDLGGPYVWGQYDLLVLPSPFPYGGMENPCLTFVT  
PTLLAGDKLSNVIAHEISHSWTGNLVTNKTWDHFWLNEGHTVYLERHICGRFLGGEKFRHFNALGGWGEL  
QNSVKTFGETHPFTKLVDLTDIDPDVAYSSVPYEKGFALLFYLEQLLGGPEIFLGFLKAYVEKFSYKSI  
TTDDWKDFLYSYFKDKVDLNLQVDWNAWLYSPGLPIKPNYDMTLTNACIALSQRWITAKEDDLNSFNAT  
DLKDLSSHQLNEFLAQLQRAPLPLGHIKRMQEVYFNAINNSEIRFRWLRLCIQSKWEDAIPLALKMAT  
EQGRMKFTRPLFKDLAAFDKSHDQAVRTYQEHKASMHPVTAMLVGGDLKVD

**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.

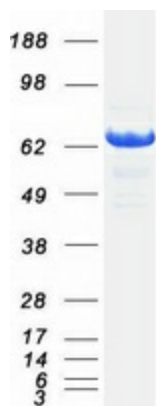
**Storage:** Store at -80°C.



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