

## Product datasheet for PH307617

### Leukotriene A4 hydrolase (LTA4H) (NM\_000895) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	LTA4H MS Standard C13 and N15-labeled recombinant protein (NP_000886)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207617
Predicted MW:	69.3 kDa
Protein Sequence:	>RC207617 protein sequence Red=Cloning site Green=Tags(s)

MPEIVDTCSLASPASVCRKHLHLRCSVDFTRRTLGTAAALTQSQEDNLRSLVLDTKDLTIEKVINGQ  
EVKYALGERQSYKSPMEISLPIALSKNQEIVIEISFETSPKSSALQWLTPQTSGKEHPYLFSSQCQAIH  
CRAILPCQDTPSVKLTYYAEVSPKELVALMSAIRDGETDPEDPSRKIYKFIQKVPICPYLIALVVGAL  
ESRQIGPRTLWSEKEQVEKSAYEFSETESMLKIAEDLGGPYVWQYDILLVLPSPFYGGMENPCLTFVT  
PTLLAGDKSLSNVIAHEISHSWTGNLVTNKTWDHFWLNEGHTVYLERHICGRLFGEKFRHFNALGGWEL  
QNSVKTFGETHPFTKLVDLTDIDPDVAYSSVPYEKGFALLFYLEQLLGGPEIFLGLKAYVEKFSYKSI  
TTDDWKDFLYSYFKDKVDVNLNQVDWNALYSPGLPPIKPNYDMLTNACIALSQRWITAKEDDLNSFNAT  
DLKDLSSHQLNEFLAQLQRAPLPLGHIKRMQEVYFNAINNSEIRFRWLRLCIQSKWEDAIPALALMAT  
EQGRMKFTRPLFKDLAAFDKSHDQAVRTYQEHKASMPVTAMLVGDLDKVD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_000886</a>
RefSeq Size:	2214
RefSeq ORF:	1833



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Locus ID: 4048

UniProt ID: [P09960](#), [A0A140VK27](#)

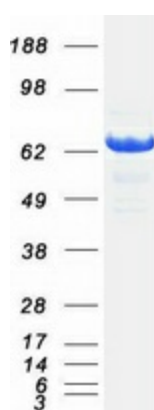
Cytogenetics: 12q23.1

**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]).