

Product datasheet for PH306621

ALOX15 (NM_001140) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ALOX15 MS Standard C13 and N15-labeled recombinant protein (NP_001131)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206621
Predicted MW:	74.6 kDa
Protein Sequence:	>RC206621 representing NM_001140 Red=Cloning site Green=Tags(s)

MGLYRIRVSTGASLYAGSNNQVQLWLVGQHGEAALGKRLWPARGKETELKVEVPEYLGPLL FVKLRKRHL
LKDDAWFCNWI SVQGPAGDEVRFPCYRWVEGNGVLSL PEGTGRTVGEDPQGLFQKHREEELEERRKLYR
WGNWKDGLILNMAGAKLYDLPVDERFLEDKRVDFEVS LAKGLADLAIKDSL NVLTCWKDLDDFNRI FWC
QSKLAERVRSWKEDALFGYQFLNGANPVVLRSAHLPARLVFP PGMEELQAQLEKELEGGTLFEADFS
LDGIKANVILCSQQHLAAPLVMLK LQPDGKLLPMVIQLQLPRTGSPPPPLFLPTDPPMAWLLAKC
WVRSSDFQLHELQSHLLRGHLM AEVIVVATMRCLPSIHP IFKLIIPHLRYTLEINVRARTGLVSDM
GIFDQIMSTGGGGHVQLLKQAGAF LTYSSFCPPDDLADRGLLGVKSSFYPQDALRLWEI IYRYVEGIV
SLHYKTDVAVKDDPELQ TWCREITEIGLQGAQDRGFPVSLQARDQVCHFVTMCIF TCTGQHASVHLG
QLDWYSWVPNAPCTMRLPPPTTKDATLETVMATLPNFHQASLQMSITWQLGRRQPVMVAVGQHEEEYF
SGPEPKAVLKKFREEL AALDKIEIRNAKLDMPYEYLRPSVVENSVAI

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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:	NP_001131
RefSeq Size:	2707



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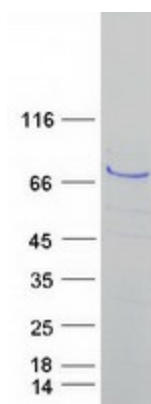
RefSeq ORF:	1986
Synonyms:	12-LOX; 15-LOX; 15-LOX-1; LOG15
Locus ID:	246
UniProt ID:	P16050
Cytogenetics:	17p13.2

Summary: This gene encodes a member of the lipoxygenase family of proteins. The encoded enzyme acts on various polyunsaturated fatty acid substrates to generate various bioactive lipid mediators such as eicosanoids, hepoxilins, lipoxins, and other molecules. The encoded enzyme and its reaction products have been shown to regulate inflammation and immunity. Multiple pseudogenes of this gene have been identified in the human genome. [provided by RefSeq, Aug 2017]

Protein Families: Druggable Genome

Protein Pathways: Arachidonic acid metabolism, Linoleic acid metabolism, Metabolic pathways

Product images:



Coomassie blue staining of purified ALOX15 protein (Cat# [TP306621]). The protein was produced from HEK293T cells transfected with ALOX15 cDNA clone (Cat# [RC206621]) using MegaTran 2.0 (Cat# [TT210002]).