

Recombinant Human ALOX15

Cat. No. ALOX15-26020TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human 15 Lipoxygenase 1 with N terminal proprietary tag; Predicted MWt 98.56 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	662 amino acids
Description	Arachidonate 15-lipoxygenase is an enzyme that in humans is encoded by the ALOX15 gene.
Molecular Weight	98.560kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MGLYRIRVSTGASLYAGSNNQVQLWLVGQHGEAALGKRLW PARGKETELKVEVPE YLGPLL FVKLRKRHLLKDDAWFCNW ISVQGP GAGDEVRFPCYRWVEGNGVLSLPE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GTGRTVGEDP QGLFQKHREEELEERRKLYRWGNWKDGLILNMAGAKLYDL PVDE
 RFLEDKRVD FEVSLAKGLADLAIKDSLNLVLCWKDL DDFNRIFWCGQSKLAERVRD
 SWKEDALFGYQFLNGANPVV LRRSAHLPARLVFPPGMEELQAQLEKELEGGTLFE
 ADFSL LDGIKANVILCSQQHLAAPLVMLKLQPDGKLLPMVIQLQL PRTGSPPPPLFL
 PTDPPMAWLLAKCWVRSSDFQLHELQSH LLRGHLMAEVIVVATMRCLPSIHPIFKLII
 PHLRYTLEIN VRARTGLVSDMGIFDQIMSTGGGGHVQLLKQAGAFITYSS FCPPDD
 LADRGLLGVKSSFYPQDALRLWEIYRYVEGIVS LHYKTDVAVKDDPELQTWCREIT
 EIGLQGAQDRGFVSLQ ARDQVCHFVTMCIFTCTGQHASVHLGQLDWYSWVPNAP
 CT MRLPPPTTKDATLETVMATLPNFHQASLQMSITWQLGRRQ PVMVAVGQHEEEY
 FSGPEPKAVLKKFREELAALDKEIEIR NAKLDMPYEYLRPSVVENSVAI

Sequence Similarities Belongs to the lipoxygenase family. Contains 1 lipoxygenase domain. Contains 1 PLAT domain.

GENE INFORMATION

Gene Name [ALOX15 arachidonate 15-lipoxygenase \[Homo sapiens \]](#)

Official Symbol [ALOX15](#)

Synonyms ALOX15; arachidonate 15-lipoxygenase; 15 LOX 1;

Gene ID [246](#)

mRNA Refseq [NM_001140](#)

Protein Refseq [NP_001131](#)

MIM [152392](#)

Uniprot ID [P16050](#)

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**Chromosome
Location**

17p13.3

Pathway

Arachidonic acid metabolism, organism-specific biosystem; Arachidonic acid metabolism, conserved biosystem; Eicosanoid Synthesis, organism-specific biosystem; IL4-mediated signaling events, organism-specific biosystem; Linoleic acid metabolism, organism-specific biosystem;

Function

arachidonate 12-lipoxygenase activity; arachidonate 15-lipoxygenase activity; hepxilin-epoxide hydrolase activity; iron ion binding; lipoxygenase activity;

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