

Recombinant Full Length Human ALOX15 Protein, GST-tagged

Cat. No. ALOX15-1479HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ALOX15 full-length ORF (AAH29032, 1 a.a. - 662 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	662 amino acids
Description	ALOX15 (Arachidonate 15-Lipoxygenase) is a Protein Coding gene. Diseases associated with ALOX15 include Periventricular Leukomalacia and Artery Disease. Among its related pathways are Arachidonic acid metabolism and HETE and HPETE biosynthesis and metabolism. GO annotations related to this gene include iron ion binding and oxidoreductase activity, acting on single donors with incorporation of molecular oxygen, incorporation of two atoms of oxygen. An important paralog of this gene is ALOX12.
Molecular Mass	98.56 kDa
AA Sequence	MGLYRIRVST GASLYAGSNN QVQLWLVGQH GEAALGKRLW PARGKETELK VEVPEYLGPL LFKLRKRHL LKDDAWFCNW ISVQGPGAGD EVRFPCYRWV EGNGVLSLPE GTGRTVGEDP QGLFQKHREE ELEERRKLYR WGNWKDGLIL NMAGAKLYDL PVDERFLEDK RVD FEVSLAK GLADLAIKDS LNV LTCWKDL DDFNRIFWCG QSKLAERVRD SWKEDALFGY QFLNGANPVV LRRSAHLPAR LVFPPGMEEL QAQLEKELEG GTLFEADFSL LDGIKANVIL CSQQHLAAPL

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VMLKLQPDGK LLPMVIQLQL PRTGSPPPPL FLPTDPPMAW LLAKCWVRSS
 DFQLHELQSH LLRGHLMAEV IVVATMRCLP SIHPIFKLII PHLRYTLEIN
 VRARTGLVSD MGIFDQIMST GGGGHVQLLK QAGAFITYSS FCPPDDLADR
 GLLGVKSSFY PQDALRLWEI IYRYVEGIVS LHYKTDVAVK DDPELQTWCR
 EITEIGLQGA QDRGFPVSLQ ARDQVCHFVT MCIFTCTGQH ASVHLGQLDW
 YSWVPNAPCT MRLPPPTTKD ATLETVMATL PNFHQASLQM SITWQLGRRQ
 PVMVAVGQHE EEYFSGPEPK AVLKKFREEEL AALDKIEIR NAKLDMPYEV
 LRPSVVENSVAI

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

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

Official Symbol

[ALOX15](#)

Synonyms

ALOX15; arachidonate 15-lipoxygenase; 15 LOX 1; 15-LOX; 15-lipoxygenase-1;
 arachidonate omega-6 lipoxygenase; 15LOX-1; 15-LOX-1

Gene ID

[246](#)

mRNA Refseq

[NM_001140](#)

Protein Refseq

[NP_001131](#)

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MIM	152392
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UniProt ID	P16050
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