

Recombinant Human ALOX15 Protein, GST-tagged

Cat. No. ALOX15-485H **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	Wheat Germ
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	MGLYRIRVSTGASLYAGSNNQVQLWLVGQHGEAALGKRLWPARGKETELKVEVPE YLGPLL FVKLRKRHLLKDDAWFCNWISVQGPAGDEVRFPCYRWVEGNGVLSLPE GTGRTVGEDPQGLFQKHREEELEERRKLYRWGNWKDGLILNMAGAKLYDLPVDER FLEDKRVD FEVSLAKGLADLAIKDSLNVLTCKWDLDDFNRIWCGQSKLAERVDRS WKEDALFGYQFLNGANPVVLRSAHLPARLVFPPGMEELQAQLEKELEGGTLFEAD FSLLDGIKANVILCSQQHLAAPLVMLKLQPDGKLLPMVIQLQLPRTGSPPPPLFLPTD PPMAWLLAKCWVRSSDFQLHELQSHLLRGHLM AEVIVVATMRCLPSIHPIFKLIIPHL

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RYTLEINVRARTGLVSDMGIFDQIMSTGGGGHVQLLKQAGAFITYSSFCPPDDLADR
 GLLGVKSSFPQDALRLWEIYRYVEGIVSLHYKTDVAVKDDPELQWCREITEIGLQ
 GAQDRGFPVSLQARDQVCHFVTMCIFTCTGQHASVHLGQLDWYSWVPNAPCTMR
 LPPPTTKDATLETVMATLPNFHQASLQMSITWQLGRRQPMVAVGQHEEEYFSGPE
 PKAVLKKFREELAALDKEIEIRNAKLDMPYEYLRPSVVENSVAI

Applications

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

Notes

Best use within three months from the date of receipt of this protein.

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](#)

MIM

[152392](#)

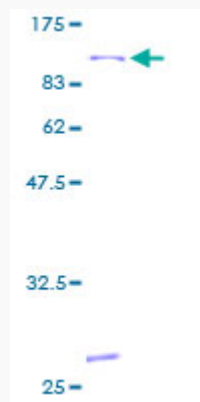
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UniProt ID

P16050



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