

## Recombinant Human ALOX15 Protein, GST-tagged

Cat. No. ALOX15-485H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human ALOX15 full-length ORF ( AAH29032, 1 a.a. - 662 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	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.
<b>Molecular Mass</b>	98.56 kDa
<b>AA Sequence</b>	MGLYRIRVSTGASLYAGSNNQVLWLVGQHGEAALGKRLWPARGKETELKVEVPE YLGPLLFVKLRKRHLLKDDAWFCNWISVQGGAGDEVRFPCYRWVEGNGVLSLPE GTGRTVGEDPQGLFQKHREEELEERRKLYRWGNWKDGLILNMAGAKLYDLPVDER FLEDKRVD FEVSLAKGLADLAIKDSLNVLT CWKDLDDFN RIFWCGQSKLAERV RDS WKEDALFGYQFLNGANPVVLR RSAHLPARLVFPPGMEELQAQLEKELEGGTLFEAD FSLLDGIKANVILCSQQHLAAPLVMLKLPD GKL LPMVIQLQLPRTGSPPPPLFLPTD PPMAWLLAKCWVRSSDFQLHELQSHLLRGHLM AEVIVVATMRCLPSIHPFKLIIPHL

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RYTLEINVRARTGLVSDMGIFDQIMSTGGGGHVQLLKQAGAFITYSSFCPPDDLADR  
 GLLGVKSSFYDQDALRLWEIYRYVEGIVSLHYKTDVAVKDDPELQWCREITEIGLQ  
 GAQDRGFPVSLQARDQVCHFVTMCIFTCTGQHASVHLGQLDWYSWVPNAPCTMR  
 LPPPTTKDATLETVMATLPNFHQASLQMSITWQLGRRQPVMVAVGQHEEEYFSGPE  
 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



12.5% SDS-PAGE Stained with Coomassie Blue.

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