

Recombinant Human ALOX15B Protein, GST-tagged

Cat. No. ALOX15B-486H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ALOX15B full-length ORF (AAH35217.1, 1 a.a. - 676 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a member of the lipoxygenase family of structurally related nonheme iron dioxygenases involved in the production of fatty acid hydroperoxides. The encoded protein converts arachidonic acid exclusively to 15S-hydroperoxyeicosatetraenoic acid, while metabolizing linoleic acid less effectively. This gene is located in a cluster of related genes and a pseudogene that spans approximately 100 kilobases on the short arm of chromosome 17. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]
Molecular Mass	102.3 kDa
AA Sequence	MAEFRVRVSTGEAFGAGTWDKVSIVGTRGESPPPLPLDNLGKEFTAGAEEDFQVTLPEDVGRVLLLRVHKAPPVLP LLGPLAPDAWFCRWFQLTPPRGGHLLFPCYQWLEGAGTLVLQEGTAKVSWADHHPVLQQQRQEELQARQEMYQWKAYNPGWPHCLDEKTVEDLELN IKYSTAKNANFY LQAGSAFAEMKIKGLLDRKGLWRS LNEMKRIFNFRTPAAEHAFEHWQEDAFFASQFLNGLNPVLIR RCHYLPKNFPVTDAMVASVLGPGTSLQAELEKGS LFLVDHGILSGIQTNVINGKPKQFSAAPMTLLYQSPGCGPLLPLAIQLSQTPGPNSPIFLPTDDKWDWLLAKTWVRNAEFSFHEALTHLLHSHLLPEVFTLATLRQLPH

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CHPLFKLLIPHTRYTLHINTLARELLIVPGQVVD RSTGIGIEGFSELIQRNMKQLNYSLL
CLPEDIRTRGVEDIPGYYYRDDGMQIWGAVERFVSEIIGIYYPSDESVDRELQAW
VREIFSKGFLNQESSGIPSSLETREALVQYVTMVIFTCSAKHA AVSAGQFDSCAWMP
NLPPSMQLPPPTSKGLATCEGFIATLPPVNATCDVILALWLLSKEPGDQRPLGTYPD
EHFTEEAPRRSIATFQSRLAQISRGIQERNRGLVLPYTYLDPPLIENSVSI

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

[ALOX15B arachidonate 15-lipoxygenase, type B \[Homo sapiens \]](#)

Official Symbol

[ALOX15B](#)

Synonyms

ALOX15B; arachidonate 15-lipoxygenase, type B; arachidonate 15 lipoxygenase, second type; arachidonate 15-lipoxygenase B; 15 LOX 2; 15-LOX-B; 15S-lipoxygenase; arachidonate 15-lipoxygenase 2; arachidonate omega(6) lipoxygenase; arachidonate 15-lipoxygenase type II; arachidonate 15-lipoxygenase, second type; 15-LOX-2;

Gene ID

[247](#)

mRNA Refseq

[NM_001039130](#)

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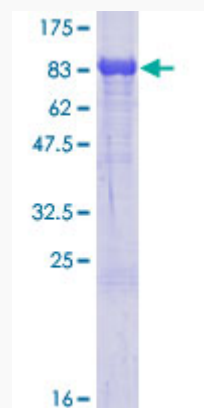
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Protein Refseq NP_001034219

MIM 603697

UniProt ID O15296



12.5% SDS-PAGE Stained with Coomassie Blue.

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