

Recombinant Full Length Human ALOX15B Protein, GST-tagged

Cat. No. ALOX15B-1480HF **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	In Vitro Cell Free System
ProteinLength	676 amino acids
Description	This gene encodes a member of the lipoyxygenase 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	MAEFRVRVST GEAFGAGTWD KVSVSIVGTR GESPPLPLDN LGKEFTAGAE EDFQVTLPED VGRVLLLRVH KAPPVLPLL PLAPDAWFCR WFQLTPPRGG HLLFPCYQWL EGAGTLVLQE GTAKVSWADH HPVLQQQRQE ELQARQEMYQ WKAYNPGWPH CLDEKTVEDL ELNIKYSTAK NANFYLQAGS AFAEMKIKGL LDRKGLWRSL NEMKRIFNFR RTPAAEHAFE HWQEDAFFAS QFLNGLNPVL

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IRRCHYLPKN FPVTDAMVAS VLGPGLSLQA ELEKGSFLV DHGILSGIQT
 NVINGKPQFS AAPMTLLYQS PGCPLLPLA IQLSQTGPN SPIFLPTDDK
 WDWLLAKTWV RNAEFSFHEA LTHLLHSHLL PEVFTLATLR QLPCHPLFK
 LLIPHTRYTL HINTLARELL IVPGQVDRS TGIGIEGFSE LIQRNMKQLN
 YSLLCLPEDI RTRGVEDIPG YYRDDGMQI WGAVERFVSE IIGIYPSDE
 SVQDDRELQA WVREIFSKGF LNQESSGIPS SLETREALVQ YVTMVIFTCS
 AKHAAVSAGQ FDSCAWMPNL PPSMQLPPPT SKGLATCEGF IATLPPVNAT
 CDVILALWLL SKEPGDQRPL GTYPDEHFTE EAPRRSIATF QSRLAQISRG
 IQERNRGLVL PYTYLDPPLI ENSVSI

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

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

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mRNA Refseq	NM_001039130
Protein Refseq	NP_001034219
MIM	603697
UniProt ID	O15296

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