

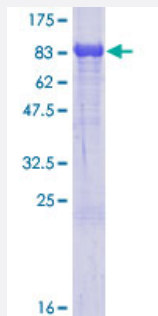
Full-Length

ALOX15B (Human) Recombinant Protein (P01)

Catalog # H00000247-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ALOX15B full-length ORF (AAH35217.1, 1 a.a. - 676 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAEFRVRVSTGEAFGAGTWDKVSIVGTRGESPLPLDNLGKEFTAGAEEDFQVTLPEDVGR
VLLLRVHKAPPVLP LLGPLAPDAWFCRWFQLTPPRGGHLLFPCYQWLEGAGTLVLQEGTAKVS
WADHHPVLQQQRQEELQARQEMYQWKAYNPGWPHCLDEKTVEDLELNIKYSTAKNANFYLQAG
SAFAEMKIKGLLDRKGLWRS LNEMKRIFNFRRTPA AEHAFEHWQEDAFFASQFLNGLNPVLI RRC
HYLPKNFPVTDAMVASVLGPGTSLQAELEKGSFLVDHGILSGIQTNVINGKPKQFSAAPMTLLYQS
PGCGPLLPLAIQLSQTPGPNSPIFLPTDDKWDWLLAKTWVRNAEFSFHEALTHLLSHLLPEVFTL
ATLRQLPHCHPLFKLLIPHTRYTLHINTLARELLVPGQVVDRSTGIGIEGFSELIQRNMKQLNYSLLCL
PEDIRTRGVEDIPGYYYRDDGMQWGAVERFVSEIIGIYPSDESVDRELQAWVREIFSKGFLNQ
ESSGIPSSLETREALVQYVTVMTFTCSAKHAAVSAGQFDSCAWMPNLPPSMQLPPPTSKGLATC
EGFIATLPPVNATCDVILALWLLSKEPGDQRPLGTYPDEHFTTEEAPRRSIATFQSRLAQISRGIER
NRGLVLPYTYLDPPLIENS VSI

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

102.3

Interspecies Antigen Sequence

Mouse (78); Rat (81)

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — ALOX15B

Entrez GeneID	247
GeneBank Accession#	BC035217.1
Protein Accession#	AAH35217.1
Gene Name	ALOX15B
Gene Alias	15-LOX-2
Gene Description	arachidonate 15-lipoxygenase, type B
Omim ID	603697
Gene Ontology	Hyperlink
Gene Summary	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]

Other Designations

15S-lipoxygenase|OTTHUMP00000135321|arachidonate 15-lipoxygenase 2|arachidonate 15-lipoxygenase, second type|arachidonate omega(6) lipoxygenase

Pathway

- [Arachidonic acid metabolism](#)
- [Metabolic pathways](#)

Disease

- [Birth Weight](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Narcolepsy](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)