

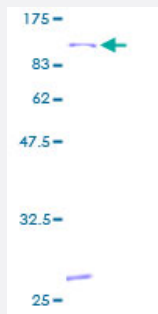
Full-Length

ALOX15 (Human) Recombinant Protein (P01)

Catalog # H00000246-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ALOX15 full-length ORF (AAH29032, 1 a.a. - 662 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGLYRIRVSTGASLYAGSNNQVQLWLVGQHGEAALGKRLWPARGKETELKVEVPEYLGPLL FVK
LRKRHLLKDDAWFCNWISVQGPAGDEVRFPCYRWVEGNGVLSLPEGTGRTVGEDPQGLFQK
HREEELEERRKLYRWGNWKDGLILNMAGAKLYDLPVDERFLEDKRVD FEVSLAKGLADLAIKDSL
NVLTCWKDLDDFNRFWCGQSKLAERV RDSWKEDALFGYQFLNGANPVVLRSAHLPARLVFP
PGMEELQAQLEKELEGGTLFEADFSLLDGIKANVILCSQQHLAAPLVMLKLQPDGKLLPMVIQLQL
PRTGSPPPPLFLPTDPPMAWLLAKCWVRSSDFQLHELQSHLLRGHLMAEVIVVATMRCLPSIHPI
FKLIIPHLRYTLEINVRARTGLVSDMGIFDQIMSTGGGGHVQLLKQAGAFITYSSFCPPDDLADRGL
LGVKSSFY PQDALRLWEIMRYVEGIVSLHYKTDVAVKDDPELQTWCREITEIGLQGAQDRGFPVSL
QARDQVCHFVTMCIFTCTGQHASVHLGQLDWYSWVPNAPCTMRLPPPTTKDATLETVMATLPNF
HQA SLQMSITWQLGRRQPVMAVVGQHEEEYFSGPEPKAVLKKFREELAALDKEIEIRNAKLDMPY
EYLRPSVVENSVAI

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

98.56

Interspecies Antigen Sequence

Mouse (73); Rat (74)

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 — ALOX15

Entrez GeneID	246
GeneBank Accession#	BC029032
Protein Accession#	AAH29032
Gene Name	ALOX15
Gene Alias	15-LOX-1
Gene Description	arachidonate 15-lipoxygenase
Omim ID	152392
Gene Ontology	Hyperlink
Other Designations	-

Pathway

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

Disease

- [Alzheimer disease](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Birth Weight](#)
- [Brain Ischemia](#)
- [Bronchial Hyperreactivity](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Coronary Artery Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Drug Hypersensitivity](#)
- [Edema](#)
- [Endometriosis](#)
- [Fractures](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Hypertrophy](#)
- [Infertility](#)

- [Inflammation](#)
- [Kidney Neoplasms](#)
- [Leukemia](#)
- [Lung Neoplasms](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Metabolic Syndrome X](#)
- [Myocardial Infarction](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Pulmonary Disease](#)
- [Stroke](#)
- [Thrombosis](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)