

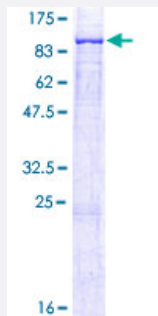
Full-Length

ALOX12B (Human) Recombinant Protein (P01)

Catalog # H00000242-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ALOX12B full-length ORF (NP_001130.1, 1 a.a. - 701 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MATYKVRVATGTDLLSGTRDSISLTIVGTQGESHKQLLNHFGRDFATGAVGQYTVQCPQDLGELIIIR
LHKERYAFFPKDPWYCNYVQICAPNGRIYHFPAYQWMDGYETLALREATGKTTADDSLPVLEHR
KEEIRAKQDFYHWRVFLPGLPSYVHIPSYRPPVRRHRNPNRPEWNGYIPGFPILINFKATKFLNLL
RYSFLKTASFFVRLGPMALAFKVRGLLDCKHSWKRLKDIRKIFPGKKSVMSEYVAEHWAEDTFFG
YQYLNGVNPGLIRRCTRIPDKFPVTDDMVAPFLGEGTCLQAELEKGNILADYRIMEGIPTVELSGR
KQHHCAPLCLLHFGPEGKMMPIAQLSQTPGPDCEIFLPSDSEWDWLLAKTWVRYAEFYSHEAIA
HLLETHLIAEAFCLALLRNLPMPCHPLYKLLIPHTRYTVQINSIGRAVLLNEGGLSAKGMSLGVEGFAG
VMVRALSELTYSLYLPNDFVERGVQDLPGYYRDDSLAVWNALEKYVTEIITYYPSDAAVEGDP
ELQSWVQEIFKECLLGRESSGFPRCLRTVPELIRYVTIVYTCSAKHAAVNTGQMEFTAWMPNFPA
SMRNPPIQTKGLTTLETFTMDTLPDVKTTCITLLVLWTLSPREPDDRPLGHFPDIHFVEEAPRRSIEA
FRQLNQISHDIRQRNKCLPIPYLLDPVLIENSISI

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

106.8

Interspecies Antigen Sequence

Mouse (86); Rat (87)

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 — ALOX12B

Entrez GeneID	242
GeneBank Accession#	NM_001139.1
Protein Accession#	NP_001130.1
Gene Name	ALOX12B
Gene Alias	12R-LOX
Gene Description	arachidonate 12-lipoxygenase, 12R type
Omim ID	242100 603741
Gene Ontology	Hyperlink
Gene Summary	This gene encodes an enzyme involved in the conversion of arachidonic acid to 12R-hydroxyeicosatetraenoic acid. Mutations in this gene are associated with nonbullous congenital ichthyosiform erythroderma. [provided by RefSeq]
Other Designations	epidermis-type lipoxygenase 12

Pathway

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

Disease

- [Birth Weight](#)
- [Brain Ischemia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Coronary Disease](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Ichthyosiform Erythroderma](#)
- [Leukemia](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Myocardial Infarction](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Stroke](#)