

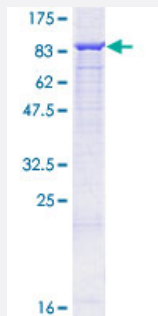
Full-Length

ALOX12 (Human) Recombinant Protein (P01)

Catalog # H00000239-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ALOX12 full-length ORF (NP_000688.1, 1 a.a. - 663 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGRYRIRVATGAWLFSGSYNRVQLWLVGTRGEAELELQLRPARGEEEEFDHDVAEDLGLLQFVR
LRKHHLVDDAWFCDRITVQGPACAEVAFPCYRWVQGEDILSLPEGTARLPGDNALDMFQKH
REKELKDRQQIYCWATWKEGLPLTIAADRKDDLPPNMRFHEEKRLDFEWTLKAGALEMALKRVY
TLLSSWNCLEDFDQIFWGQKSALAEKVRQCWQDDELFSYQFLNGANPMLLRRSTSLPSRLVLP
GMEELRAQLEKELQNGSLFEADFILLDGIPANVIRGEKQYLAAPLVMLKMEPNGKLQPMVIQIPP
NPSSPTPTLFLPSDPPLAWLLAKSWVRNSDFQLHEIQYHLLNTHLVAEVIATMRCLPGLHPIFK
FLIPHIRYTMETRARTQLISDGGIFDKAVSTGGGGHVQLLRRAAAQLTYCSLCPDDLADRGLLGL
PGALYAHDALRLWEIARYVEGMHLFYQRDDMKGDPELQAWCREITEVGLCQAQDRGFPVSFQS
QSQLCHFLTMCVFTCTAQHAAINQGQLDWYAWVPNAPCTMRMPPPTTKEDVTMATVMGSLPDV
RQACLQMAISWHLRRQPDMVPLGHHKEKYFSGPKPKAVLNQFRTDLEKLEKEITARNEQLDWP
YEYLPKSCIENSVTI

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

102.1

Interspecies Antigen Sequence

Mouse (85)

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 — ALOX12

Entrez GeneID	239
GeneBank Accession#	NM_000697.1
Protein Accession#	NP_000688.1
Gene Name	ALOX12
Gene Alias	12-LOX, 12S-LOX, LOG12
Gene Description	arachidonate 12-lipoxygenase
Omim ID	152391
Gene Ontology	Hyperlink
Other Designations	12(S)-lipoxygenase platelet-type 12-lipoxygenase

Pathway

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

Disease

- [Adenocarcinoma](#)
- [Adenoma](#)
- [Albuminuria](#)
- [Alzheimer disease](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Bipolar Disorder](#)
- [Birth Weight](#)
- [Brain Ischemia](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Drug Hypersensitivity](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Fractures](#)

- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Hypertension](#)
- [Inflammation](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Lung Neoplasms](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Metabolic Syndrome X](#)
- [Myocardial Infarction](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Prostatic Neoplasms](#)
- [Psychiatric Status Rating Scales](#)
- [Pulmonary Disease](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Stroke](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)