

Recombinant Full Length Human ALOX12 Protein, GST-tagged

Cat. No. ALOX12-1466HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ALOX12 full-length ORF (NP_000688.1, 1 a.a. - 663 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	663 amino acids
Description	ALOX12 (Arachidonate 12-Lipoxygenase, 12S Type) is a Protein Coding gene. Diseases associated with ALOX12 include Inflammatory Bowel Disease 12 and Colorectal Cancer 12. Among its related pathways are Arachidonic acid metabolism and HETE and HPETE biosynthesis and metabolism. GO annotations related to this gene include iron ion binding and arachidonate 12-lipoxygenase activity. An important paralog of this gene is ALOX15.
Molecular Mass	102.1 kDa
AA Sequence	MGRYRIRVAT GAWLFSGSYN RVQLWLVGTR GEAELELQLR PARGEEEEFD HDVAEDLGLL QFVRLRKHHW LVDDAWFCDR ITVQGP GACA EVAFPCYRWV QGEDILSLPE GTARLPGDNA LDMFQKHREK ELKDRQQIYC WATWKEGLPL TIAADRKDDL PPNMRFHEEK RLD FEWTLKA GALEMALKRV YTLLSSWNCL EDFDQIFWGQ KSALAEKVRQ CWQDDELFSY QFLNGANPML LRRSTSLPSR LVLPSGMEEL RAQLEKELQN GSLFEADFIL LDGIPANVIR GEKQYLAAPL VMLKMEPNGK LQPMVIQIQP PNPSSPTPTL FLPSPDPLAW LLA KSWVRNS

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DFQLHEIQYH LLNTHLVAEV IAVATMRCLP GLHPIFKFLI PHIRYTM EIN
 TRARTQLISD GGIFDKAVST GGGGHVQLLR RAAQ LTYCS LCP PDDLADR
 GLLGLPGALY AHDALRLWEI IARYVEGIVH LFYQRDDIVK GDPELQAWCR
 EITEVG L CQA QDRGFPVSFQ SQSQLCHFLT MCVFTCTAQH AAINQGQLDW
 YAWVPNAPCT MRMPPTTKE DVTMATVMGS LPDVRQACLQ MAISWHLSRR
 QPDMVPLGHH KEKYFSGPKP KAVLNQFRTD LEKLEKEITA RNEQLDWPYE
 YLKPSCIENS VTI

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

[ALOX12 arachidonate 12-lipoxygenase \[Homo sapiens \]](#)

Official Symbol

[ALOX12](#)

Synonyms

ALOX12; arachidonate 12-lipoxygenase; arachidonate 12-lipoxygenase, 12S-type;
 12S LOX; platelet 12 LOX; platelet 12-LOX; 12S-lipoxygenase; 12(S)-lipoxygenase;
 platelet-type 12-lipoxygenase; platelet-type lipoxygenase 12; LOG12; 12-LOX; 12S-
 LOX

Gene ID

[239](#)

mRNA Refseq

[NM_000697](#)

Protein Refseq

[NP_000688](#)

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MIM	152391
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UniProt ID	P18054
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