

# Recombinant Human ALOX12 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** ALOX12-2197H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	ALOX12 MS Standard C13 and N15-labeled recombinant protein (NP_000688) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	This gene encodes a member of the lipoxygenase family of proteins. The encoded enzyme acts on different polyunsaturated fatty acid substrates to generate bioactive lipid mediators including eicosanoids and lipoxins. The encoded enzyme and its reaction products have been shown to regulate platelet function. Elevated expression of this gene has been observed in pancreatic islets derived from human diabetes patients. Allelic variants in this gene may be associated with susceptibility to toxoplasmosis. Multiple pseudogenes of this gene have been identified in the human genome.
<b>Molecular Mass</b>	75.5 kDa
<b>AA Sequence</b>	MGRYRIRVATGAWLFSGSYNRVQLWLVGTRGEAELELQLRPARGEEEEFDHDVAE DLGLLQFVRLRKHHWLVDDAWFCDRITVQGGACAEVAFPCYRWVQGEDILSLPE GTARLPGDNALDMFQKHREKELKDRQQIYCWATWKEGLPLTIAADRKDDLPPNMRF HEEKRLDFEWTLKAGALEMALKRVYTLSSWNCLEDFDQIFWGQKSALAEKVRQC WQDDELFSYQFLNGANPMLLRSTSLPSRLVLPSPGMEELRAQLEKELQNGSLFEAD

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

FILLDGIPANVIRGEKQYLAAPLVMLKMEPNGKLQPMVIQIQQPPNPSSPTPTLFLPSPD  
 PLAWLLAKSWVRNSDFQLHEIQYHLLNTHLVAEVIAVATMRCLPGLHPHIFKFLIPHIRY  
 TMEINTRARTQLISDGGIFDKAVSTGGGGHVQLLRRAAAQLTYCSLCPPDDLADRGL  
 LGLPGALYAHDALRLWEIARYVEGIVHLFYQRDDIVKGDPELQAWCREITEVGLCQA  
 QDRGFPVSFQSQSQLCHFLTMCVFTCTAQHAAINQGQLDWYAWVPNAPCTMRMP  
 PPTTKEDVTMATVMGSLPDVRQACLQMAISWHLRQPDMVPLGHHKEKYFSGPK  
 PKAVLNQFRDLEKLEKEITARNEQLDWPYEYLPKSCIENSVTISGPTRTRRLEQKLIS  
 EEDLAANDILDYKDDDDKV

<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

<b>Gene Name</b>	ALOX12 arachidonate 12-lipoxygenase [ Homo sapiens (human) ]
<b>Official Symbol</b>	ALOX12
<b>Synonyms</b>	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;

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Gene ID 239

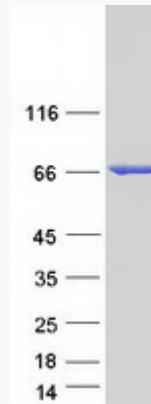
mRNA Refseq NM\_000697

Protein Refseq NP\_000688

MIM 152391

UniProt ID P18054

SDS-PAGE



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