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

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

SPECIFICATION

Product Overview	ALOX12 MS Standard C13 and N15-labeled recombinant protein (NP_000688) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	75.5 kDa
AA Sequence	MGRYRIRVATGAWLFSGSYNRVQLWLVGTRGEAELELQLRPARGEEEEFDHDVAE DLGLLQFVRLRKHHWLVDDAWFCDRITVQGPGACAEVAFPCYRWVQGEDILSLPE GTARLPGDNALDMFQKHREKELKDRQQIYCWATWKEGLPLTIAADRKDDLPPNMRF HEEKRLDFEWTLKAGALEMALKRVYTLLSSWNCLEDFDQIFWGQKSALAEKVRQC WQDDELFSYQFLNGANPMLLRRSTSLPSRLVLPSGMEELRAQLEKELQNGSLFEAD

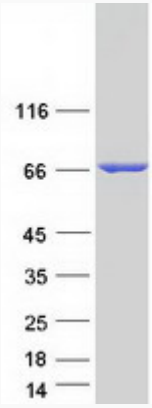
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	FILLDGIPANVIRGEKQYLAAPLVMLKMEPNGKLQPMVIQIQPPNPSSPTPTLFLPSDP PLAWLLAKSWVRNSDFQLHEIQYHLLNTHLVAEVIAVATMRCLPGLHPIFKFLIPHIRY TMEINTRARTQLISDGGIFDKAVSTGGGGHVQLLRRAAAQLTYCSLCPPDDLADRGL LGLPGALYAHDALRLWEIIARYVEGIVHLFYQRDDIVKGDPELQAWCREITEVGLCQA QDRGFPVSFQSQSQLCHFLTMCVFTCTAQHAAINQGQLDWYAWVPNAPCTMRMP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

GENE INFORMATION

Gene Name	ALOX12 arachidonate 12-lipoxygenase [Homo sapiens (human)]
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;

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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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