

Recombinant Human ALOX15 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ALOX15-4696H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ALOX15 MS Standard C13 and N15-labeled recombinant protein (NP_001131) 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 various polyunsaturated fatty acid substrates to generate various bioactive lipid mediators such as eicosanoids, hepoxilins, lipoxins, and other molecules. The encoded enzyme and its reaction products have been shown to regulate inflammation and immunity. Multiple pseudogenes of this gene have been identified in the human genome.
Molecular Mass	74.6 kDa
AA Sequence	MGLYRIRVSTGASLYAGSNNQVQLWLVGQHGEAALGKRLWPARGKETELKVEVPE YLGPLL FVKLRKRHLLKDDAWFCNWISVQGPAGDEVRFPCYRWVEGNGVLSLPE GTGRTVGEDPQGLFQKHREEELEERRKLYRWGNWKDGLILNMAGAKLYDLPVDER FLEDKRVD FEVSLAKGLADLAIKDSLNLVLTCKWDLDDFNRIWCGQSKLAERVDRS WKEDALFGYQFLNGANPVVLRSAHLPARLVFPPGMEELQAQLEKELEGGTLFEAD FSLLDGIKANVILCSQQHLAAPLVMLKLQPDGKLLPMVIQLQLPRTGSPPPPLFLPTD PPMAWLLAKCWVRSSDFQLHELQSHLLRGHLMAEVIVVATMRCLPSIHPIFKLIIPHL

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RYTLEINVRARTGLVSDMGIFDQIMSTGGGGHVQLLKQAGAFITYSSFCPPDDLADR
 GLLGVKSSFPQDALRLWEIYRYVEGIVSLHYKTDVAVKDDPELQTWCREITEIGLQ
 GAQDRGFPVSLQARDQVCHFVTMCIFTCTGQHASVHLGQLDWYSWVPNAPCTMR
 LPPPTTKDATLETVMATLPNFHQASLQMSITWQLGRRQPMVAVGQHEEEYFSGPE
 PKAVLKKFREELAALDKEIEIRNAKLDMPEYLRPSVVENSVAITRTRPLEQKLISEED
 LAANDILDYKDDDDKV

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 ALOX15 arachidonate 15-lipoxygenase [Homo sapiens (human)]

Official Symbol ALOX15

Synonyms ALOX15; arachidonate 15-lipoxygenase; 15 LOX 1; 15-LOX; 15-lipoxygenase-1; arachidonate omega-6 lipoxygenase; 15LOX-1; 15-LOX-1;

Gene ID 246

mRNA Refseq NM_001140

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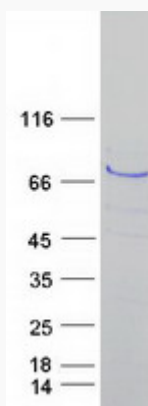
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Protein Refseq NP_001131

MIM 152392

UniProt ID P16050

SDS-PAGE



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