

## Product datasheet for TP306621M

### ALOX15 (NM\_001140) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human arachidonate 15-lipoxygenase (ALOX15), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206621 representing NM_001140 Red=Cloning site Green=Tags(s)

MGLYRIRVSTGASLYAGSNNQVQLWLVGQHGEAALGKRLWPARGKETELKVEVPEYLGPLL FVKLRKRHL  
LKDDAWFCNWSVQGPAGDEVRFPCYRWVEGNGVLSLPEGTGRTVGEDPQGLFQKHREEELEERRKLYR  
WGNWKDGLILNMAGAKLYDLPVDERFLEDKRVDFEVSLAKGLADLAIKDSLNLVTCWKDLDDFNRFWCG  
QSKLAERVRSWKEDALFGYQFLNGANPVLRRSAHLPARLVFPPGMEELQAQLEKELEGGTLFEADFSL  
LDGIKANVILCSQQHLAAPLVMLKLQPDGKLLPMVIQLQLPRTGSPPPPLFLPTDPPMAWLLAKCWRSS  
DFQLHELQSHLLRGHLMAEVIVVATMRCLPSIHPFKLIIPHLRYTLEINVRARTGLVSDMGIFDQIMST  
GGGGHVQLLKQAGAFITYSSFCPPDDLADRGLLGVKSSFYPQDALRLWEIYRYVEGIVSLHYKTDVAVK  
DDPELQTWCREITEIGLQGAQDRGFPVSLQARDQVCHFVTCIFTCTGQHASVHLGQLDWYSWVPNAPCT  
MRLPPPTTKDATLETVMATLPNFHQASLQMSITWQLGRRQPVMVAVGQHEEEYFSGPEPKAVLKFREEEL  
AALDKIEIRNAKLDMPYEYLRPSVVENSVAI

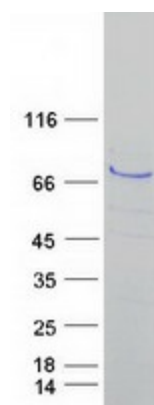
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	74.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_001131</a>
<b>Locus ID:</b>	246
<b>UniProt ID:</b>	<a href="#">P16050</a>
<b>RefSeq Size:</b>	2707
<b>Cytogenetics:</b>	17p13.2
<b>RefSeq ORF:</b>	1986
<b>Synonyms:</b>	12-LOX; 15-LOX; 15-LOX-1; LOG15
<b>Summary:</b>	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, hepxilins, 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. [provided by RefSeq, Aug 2017]
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Arachidonic acid metabolism, Linoleic acid metabolism, Metabolic pathways

**Product images:**

Coomassie blue staining of purified ALOX15 protein (Cat# [TP306621]). The protein was produced from HEK293T cells transfected with ALOX15 cDNA clone (Cat# [RC206621]) using MegaTran 2.0 (Cat# [TT210002]).