

Recombinant Human 15 Lipoxygenase 1 protein

ab114421

1 Image

Description	
Product name	Recombinant Human 15 Lipoxygenase 1 protein
Expression system	Wheat germ
Accession	<u>P16050</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGLYRIRVSTGASLYAGSNNQVQLWLVGQHGEAALGKRL WPARGKETELK VEVPEYLGPLL FVKLRKRHLLKDDAWFCNWISVQGPGAG DEVRFPCYRWV EGNGVLSLPEGTGRTVGEDPQGLFQKHREEELEERRKLY RWGNWKDGLIL NMAGAKLYDLPVDERFLEDKRVD FEVSLAKGLADLAIKD SLNVLTCWKDL DDFNRIFWCGQSKLAERVRDSWKEDALFGYQFLNGANP VVLRRSAHLPAR LVFPPGMEELQAQLEKELEGGTLFEADFSLLDGIKANVILC SQQHLAAPL VMLKLQPDGKLLPMVIQLQLPRTGSPPPPLFLPTDPPMA WLLAKCWVRSS DFQLHELQSHLLRGHLMAEVIVVATMRCLPSIHPIFKLIIPHL RYTLEIN VRARTGLVSDMGIFDQIMSTGGGGHVQLLKQAGAFITYSS FCPPDDLADR GLLGVKSSFYPQDALRLWEIYRYVEGIVSLHYKTDVAVKD DPELQTWCR EITEIGLQGAQDRGFPVSLQARDQVCHFVTCIFTCTGQH ASVHLGQLDW YSWVPNAPCTMRLPPPTTKDATLETVMATLPNFHQASLQ MSITWQLGRRQ PVMVAVGQHHEEYFSGPEPKAVLKKFREELAALDKEIEIR NAKLDMPYEYLRPSVVENSVAI

Predicted molecular weight	99 kDa including tags
Amino acids	1 to 662
Tags	GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab114421** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	ELISA
	Western blot
	SDS-PAGE
Form	Liquid

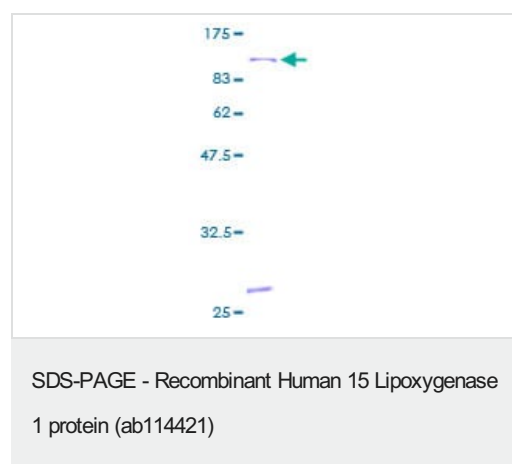
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.
	pH: 8.00
	Constituents: 0.3% Glutathione, 0.79% Tris HCl

General Info

Function	Converts arachidonic acid to 15S-hydroperoxyeicosatetraenoic acid. Also acts on C-12 of arachidonate as well as on linoleic acid.
Pathway	Lipid metabolism; leukotriene D4 biosynthesis.
Sequence similarities	Belongs to the lipoxygenase family.
	Contains 1 lipoxygenase domain.
	Contains 1 PLAT domain.
Cellular localization	Cytoplasm.

Images



ab114421 analysed on a 12.5% SDS-PAGE gel stained with Coomassie Blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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