

Arachidonate-5-Lipoxygenase Recombinant Protein | ALOX5 recombinant protein

Recombinant Arachidonate-5-Lipoxygenase (ALOX5)

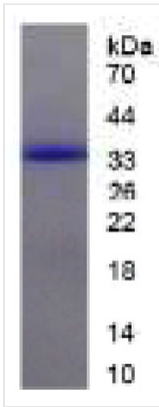
CATALOG # AAA144088	HOST E.coli	REACTIVITY Homo sapiens (Human)	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

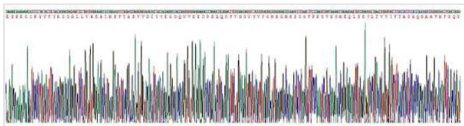
Arachidonate-5-Lipoxygenase; Recombinant Arachidonate-5-Lipoxygenase (ALOX5); ALOX5 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Homo sapiens (Human)
Purity/Purification	> 90%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.
Concentration	Original Concentration: 400ug/mL (varies by lot)
Sequence	ESKEDIPYYF YRDDGLLVWE AIRTFTAENV DIYYEGDQVV EEDPELQDFV NDVYVYGMRG RKSSGFPKSV KSREQLSEYL TVVIFTASAQ HAAVNFGQYD WCSWIPNAPP TMRAPPPTAK GVVITIEQIVD TLPDRGRSCW HLGAVWALSQ FQENELFLGM YPEEHFIEKP VKEAMARFRK NLEAIVSVIA ERNKKKQLPY YYLSPDRIPN S
Applicable Applications for ALOX5 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Glu461-Ser671
Tags	N-terminal His Tag
Subcellular Location	Nucleus, Cytoplasm
Traits	Freeze-dried powder
Predicted isoelectric point	5.2
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.



Sequence



SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	62526037
NCBI GeneID	11689
NCBI Accession #	NP_033792.1
NCBI GenBank Nucleotide #	NM_009662.2
Molecular Weight	Predicted Molecular Mass: 31.1kDa Accurate Molecular Mass: 34kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	arachidonate 5-lipoxygenase
NCBI Official Synonym Full Names	arachidonate 5-lipoxygenase
NCBI Official Symbol	Alox5
NCBI Official Synonym Symbols	5LO; 5LX; 5-LO; 5-LOX; AI850497; F730011J02
NCBI Protein Information	arachidonate 5-lipoxygenase
UniProt Protein Name	Arachidonate 5-lipoxygenase
UniProt Gene Name	Alox5
UniProt Synonym Gene Names	5-LO; 5-lipoxygenase
UniProt Entry Name	LOX5_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.