

5-Lipoxygenase (5-LO) Recombinant Protein | 5-LO recombinant protein

Recombinant 5-Lipoxygenase (5-LO)

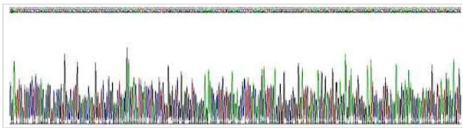
CATALOG # AAA149283	HOST E.coli	REACTIVITY Homo sapiens (Human)	APPLICATIONS Western Blot, SDS-Page
-------------------------------	-----------------------	---	---

PRODUCT SYNONYMS

5-Lipoxygenase (5-LO); Recombinant 5-Lipoxygenase (5-LO); LOX5; 5-LOX; ALOX-5; ALOX5; 5LPG; LOG5; Lipoxygenase 5; 5-LO 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: 80ug/mL (varies by lot)
Applicable Applications for 5-LO recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Met1~Ile674
Tags	N-terminal His Tag
Subcellular Location	Membrane, Nucleus, Cytoplasm
Traits	Freeze-dried powder
Predicted isoelectric point	5.5
Usage	Reconstitute in ddH2O 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.



Gene Sequence
Gene Sequencing (extract

SDS-PAGE

```
MPSYTVTVAT  GSQWFGTDD  YIYLSLVGSA  GCSEKHLDD  PFYNDFERGA
VDSYDVTVE  ELGEIQLVRI  EKRYWLNDD  WYLYITLKT  PHGDYIEFPC
YRWITGDVEV  VLRDGRAKLA  RDDQIHILKQ  HRRKELETRQ  KQYRWMEWNP
GFPLSIDAKC  HKDLPRDIQF  DSEKGVDFVL  NYSKAMENLF  INRFMHMFQS
SMNDFADF EK  IFVKISNTIS  ERVMNHQED  LMFVQVFLNG  CNPVLIRRCT
ELPEKLPVTT  EMVECSLERQ  LSLEQEVQQG  NIFIVDFELL  DGIDANKTDP
CTLQFLAAPI  CLLYKNLANK  IVPIAIQLNQ  IPGDENPIFL  PSDAKYDHL
AKIHWSSDF  HVHTIITHLL  RTHLVSEVFG  IAMYRQLPAV  HPIDFKLLVAH
VRFTIAINTK  AREQLICECG  LFDKANATGG  GGHVQMVQRA  MKDLTYASLC
FPEAIKARGM  ESKEDIPYYF  YRDDGLLWE  AIRTFTAENV  DIYYEGDQVV
EEDPELQDFV  NDVYVYGMRG  RKSSGFPKSV  KSREQLSEYL  TVVIFTASAO
HAAVNFQQYD  WCSHIPNAPP  THRAPPTAK  GVTIEQIVD  TLPDRGRSCW
HLGAVNALSQ  FQENELFLGM  YPEEHFIEKP  VKEAMARFRK  NLEAIVSVIA
ERNKKQLPY  YYLSPDRIPN  SVAI
```

Sequence

ADDITIONAL INFORMATION

Product Categories/Family for 5-LO recombinant protein	Enzyme & Kinase; Metabolic pathway; Tumor immunity; Cardiovascular biology; Neuroscience
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502057
NCBI GeneID	240
NCBI Accession #	NP_000689.1
NCBI GenBank Nucleotide #	NM_000698.5
UniProt Accession #	P09917
Molecular Weight	Predicted Molecular Mass: 81.7kDa Accurate Molecular Mass: 82kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	arachidonate 5-lipoxygenase isoform 1
NCBI Official Synonym Full Names	arachidonate 5-lipoxygenase
NCBI Official Symbol	ALOX5
NCBI Official Synonym Symbols	5-LO; 5LPG; LOG5; 5-LOX
NCBI Protein Information	arachidonate 5-lipoxygenase
UniProt Protein Name	Arachidonate 5-lipoxygenase
UniProt Gene Name	ALOX5
UniProt Synonym Gene Names	LOG5; 5-LO
UniProt Entry Name	LOX5_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/alox5-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/149283>