



Recombinant Mouse Polyunsaturated fatty acid lipoxygenase ALOX12 (Alox12)

Product Code	CSB-EP001617MO
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P39655
Storage Buffer	Lyophilized from Tris/PBS-based buffer, 6% Trehalose, pH 8.0
Product Type	Recombinant Proteins
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	MGRYRVRVVT GAWLFSGSLN LVRLWLVGEGH REAKLELQLR PARGKEEEFD FDVPEDLGPL QFVKLHKQHT VVDDAWFCNL ITVQGPSTSA EAVFPCYRWV QGEGILSLPE GTARLAGDNA LDVFQKYREK ELKERQQTYC WATWKEGLPQ TIAADCKDDL PPNMRFHEEK RLDFEWTLKA GVLEMGLKRV YTLRSWNHL EDFDQIFWGQ KSALAEKVHQ CWQEDELFGY QFLNGANPML LRRSTSLPSR LVLPSGMEEL QAQLEKELKN GSLFEADFIL LDGIPANVIR GEPQYLAAPL VMLRMDPGGK LLPMAIQIQP PNPSSPAPTL FLPSDPPLAW LLAKIWRNS DFQLQELQFH LLNTHLVAEV IAVATMRCLP GLHPIFKLLV PHIRYTMIEIN TRSRTQLISD GGIFDQVVST GGGGHVQLLT RAVAQLTYHS LCPPDDLNR GLLRIPSALY ARDALQLWEV TARYVKGMVH LFYQSDDIVR GPELQAWCR EITEVGLCHA QDRGFPVSFQ SRAQLCHFLT MCVFTCTAQH AAINQGQLDW YGWVNPAPCT MRMPPTSKD DVTMETVMGS LPDVQKACLQ MTITWHLGRL QPDMVPLGHH TEKYFSDPRT KAVLSQFQAD LDNLEKEITA RNEQLDLPYE YLKPSRIENS ITI
Source	E.coli
Target Names	Alox12
Protein Names	Recommended name: Arachidonate 12-lipoxygenase, 12S-type Short name= 12S-LOX Short name= 12S-lipoxygenase EC= 1.13.11.31 Alternative name(s): Platelet-type lipoxygenase 12
Expression Region	1-663
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final



concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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