



# Recombinant Mouse Polyunsaturated fatty acid lipoxygenase ALOX12 (Alox12)

<b>Product Code</b>	CSB-EP001617MO-B
<b>Storage</b>	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.
<b>Uniprot No.</b>	P39655
<b>Storage Buffer</b>	Lyophilized from Tris/PBS-based buffer, 6% Trehalose, pH 8.0
<b>Product Type</b>	Recombinant Proteins
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MGRYRVRVVT GAWLFSGSLN LVRLWLVGEGH REAKLELQLR PARGKEEEFD FDVPEDLGPL QFVKLHKQHT VVDDAWFCNL ITVQGPSTSA EAVFPCYRWV QGEGILSLPE GTARLAGDNA LDVFQKYREK ELKERQQTIC 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
<b>Source</b>	E.coli
<b>Target Names</b>	Alox12
<b>Protein Names</b>	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
<b>Expression Region</b>	1-663
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Reconstitution</b>	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**

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.