



Recombinant Human Polyunsaturated fatty acid lipoxygenase ALOX12 (ALOX12)

Product Code	CSB-EP001617HU-B
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.	P18054
Storage Buffer	Lyophilized from Tris/PBS-based buffer, 6% Trehalose, pH 8.0
Product Type	Recombinant Proteins
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MGRYRIRVAT GAWLFSGSYN RVQLWLVGTR GEAELELQLR PARGEEEFDFD HDVAEDLGLL QFVRLRKHHW LVDDAWFCDR ITVQGGGACA EVAFPCYRWV QGEDILSLPE GTARLPGDNA LDMFQKHREK ELKDRQQIYC WATWKEGLPL TIAADRKDDL PPNMRFHEEK RLDFEWTLKA GALEMALKRV YTLSSWNCL EDFDQIFWGQ KSALAEKVRQ CWQDDELFSY QFLNGANPML LRRSTSLPSR LVLPSGMEEL QAQLEKELQN GSLFEADFIL LDGIPANVIR GEKQYLAAPL VMLKMEPNGK LQPMVIQIQP PNPSSPTPTL FLPSDPPLAW LLAKSWVRNS DFQLHEIQYH LLNTHLVAEV IAVATMRCLP GLHPIFKFLI PHIRYTMEN TRARTQLISD GGIFDKAVST GGGGHVQLLR RAAALQTYCS LCPPDDLADR GLLGLPGALY AHDALRLWEI IARYVEGIVH LFYQRDDIVK GDPELQAWCR EITEVGLCQA QDRGFPVSFQ SQSQLCHFLT MCVFTCTAQH AAINQGQLDW YAWVPNAPCT MRMPPPTTKE DVTMATVMGS LPDVRQACLQ MAISWHLRQ QPDMVPLGHH KEKYFSGPKP KAVLNQFRTD LEKLEKEITA RNEQLDWPYE YLKPSCIENS VTI
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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