

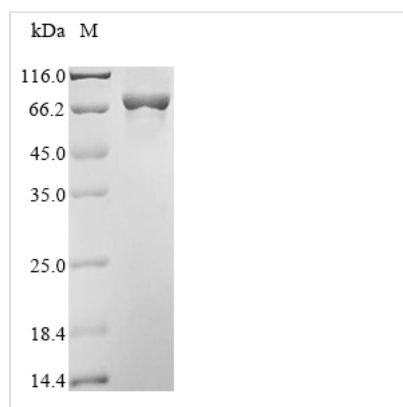


Recombinant Human Arachidonate 12-lipoxygenase, 12S-type (ALOX12)

Product Code	CSB-EP001617HU
Abbreviation	Recombinant Human ALOX12 protein
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	Tris-based buffer, 50% glycerol
Product Type	Recombinant Proteins
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MGRYRIRVATGAWLFSGSYNRVQLWLVGTRGEAELELQLRPARGEEEEEFDH DVAEDLGLLQFVRLRKHHWLVDWAFCRITVQGPACAEVAFPCYRWVQG EDILSLPEGTARLPGDNALDMFQKHREKELKDRQQIYCWATWKEGLPLTIAAD RKDDLPPNMRFHEEKRLDFEWTLKAGALEMALKRVYTLSSWNCLEDFDQIF WGQKSALAEKVRQCWQDDELFSYQFLNGANPMLLRSTSLPSRLVLP SGME ELQAQLEKELQNGSLFEADFILLDGIPANVIRGEKQYLAAPLVMLKMEPNGKLQ PMVIQIQPPNPSSPTPTLFLPSDPLAWLLAKSWVRNSDFQLHEIQYHLLNTHL VAEVIATMRCLPGLHPIFKFLIPHIRYTMEINTRARTQLISDGGIFDKAVSTGG GGHVQLLRRAAAQLTYCSLCPDDLADRGLLGLPGALYAHDALRLWEIARYV EGIVHLFYQRDDIVKGDPELQAWCREITEVGLCQAQDRGFPVSFQSQSQLCH FLTMCVFTCTAQHAAINQGQLDWYAWVPNAPCTMRMPPTTKEDVTMATVM GSLPDVRQACLQMAISWHLRQPDMPVPLGHHKEKYFSGPKPKAVLNQFRT DLEKLEKEITARNEQLDWPYEYLPSCIENSVTI
Research Area	Cardiovascular
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	1-663aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	79.8 kDa
Protein Length	Full Length



Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

The gene coding for the Human ALOX12 protein (1-663aa) is introduced into a plasmid vector, creating recombinant plasmid that is subsequently transformed into e.coli cells. e.coli cells capable of surviving in the presence of a specific antibiotic are selected and then cultured under conditions favorable for the expression of the gene of interest. A N-terminal 6xHis tag is attached to the protein. Post-expression, the recombinant Human ALOX12 protein is isolated and purified from the cell lysate using affinity purification. Denaturing SDS-PAGE is applied to resolve the resulting recombinant Human ALOX12 protein, revealing a purity exceeding 90%.

Shelf Life

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