



# Recombinant Human Arachidonate 12-lipoxygenase, 12R-type (ALOX12B)

<b>Product Code</b>	CSB-MP001618HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O75342
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MATYKVRVAT GTDLLSGTRD SISLTIVGTQ GESHKQLLNH FGRDFATGAV GQYTVQCPQD LGELIIIRLH KERYAFFPKD PWYCNYVQIC APNGRIYHFP AYQWMDGYET LALREATGKT TADDSLPVLL EHRKEEIRAK QDFYHWRVFL PGLPSYVHIP SYRPPVRRHR NPNRPEWNGY IPGFILINF KATKFLNLNL RYSFLKTASF FVRLGPMALA FKVRGLLDCK HSWKRLKDIR KIFPGKKSJV SEYVAEHWAE DFFGYQYLN GVNPLIRRC TRIPDKFPVT DDMVAPFLGE GTCLQAELEK GNIYLADYRI MEGIPTVELS GRKQHHCAPL CLLHFGPEGK MMPAIQLSQ TPGPDCPIFL PSDSEWDWLL AKTWVRYAEF YSHEAIAHLL ETHLIAEAFCLALLRNLCMP HPLYKLLIPH TRYTVQINSI GRAVLLNEGG LSAKGMSLV EGFAGVMVRA LSELYDSLY LPNDFVERGV QDLPGYYYRD DSLAVWNALE KYVTEIITYY YPSDAAVEGD PELQSWVQEI FKECLLGRES SGFPRCLRTV PELIRYVTIV IYTCSAKHA VNTGQMEFTA WMPNFPASMR NPPIQTKGLT TLETFMDTLP DVKTTCTILL VLWTLSPREP DRRPLGHFPD IHFVEEAPRR SIEAFRQRLN QISHDIRQRN KCLPIPYYYL DPVLIENSIS I
<b>Source</b>	Mammalian cell
<b>Target Names</b>	ALOX12B
<b>Protein Names</b>	Recommended name: Arachidonate 12-lipoxygenase, 12R-type Short name= 12R-LOX Short name= 12R-lipoxygenase EC= 1.13.11.- Alternative name(s): Epidermis-type lipoxygenase 12
<b>Expression Region</b>	1-701
<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>Target Details</b>	This gene encodes an enzyme involved in the conversion of arachidonic acid to 12R-hydroxyeicosatetraenoic acid. Mutations in this gene are associated with nonbullous congenital ichthyosiform erythroderma.
<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.

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**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.