

Recombinant Human ALOX12B, His-tagged

Cat. No. ALOX12B-3608H Lot. No. (See product label)

SPECIFICATION

Product Overview	Arachidonate 12-lipoxygenase, 12R-type (ALOX12B)
Species	Human
Source	E.Coli/Yeast
ProteinLength	701
Description	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.
Form	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.
Purity	>90%
Notes	Small volumes of ALOX12B recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container's cap. Certain products may require to ship with dry ice.
Storage	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.
Storage Buffer	PBS pH 7.4, 50% glycerol

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Warning This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GENE INFORMATION

Gene Name	ALOX12B arachidonate 12-lipoxygenase, 12R type [Homo sapiens]
Official Symbol	ALOX12B
Synonyms	ALOX12B; arachidonate 12-lipoxygenase, 12R type; arachidonate 12-lipoxygenase, 12R-type; 12R LOX; 12R-lipoxygenase; epidermis-type lipoxygenase 12; 12R-LOX;
Gene ID	242
mRNA Refseq	NM_001139
Protein Refseq	NP_001130
MIM	603741
UniProt ID	O75342
Chromosome Location	17p13.1
Pathway	Arachidonic acid metabolism, organism-specific biosystem; Arachidonic acid metabolism, conserved biosystem; IL23-mediated signaling events, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Serotonergic synapse, organism-specif
Function	arachidonate 12-lipoxygenase activity; iron ion binding; lipoxygenase activity; metal

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ion binding; oxidoreductase activity;

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