

Recombinant Human ALOX12B, GST-tagged

Cat. No. ALOX12B-9590H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ALOX12B protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	352-701a.a.
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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	ALOX12B arachidonate 12-lipoxygenase, 12R type [Homo sapiens]
Official Symbol	ALOX12B

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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-specific biosystem;
Function	arachidonate 12-lipoxygenase activity; iron ion binding; lipoxygenase activity; metal ion binding; oxidoreductase activity;

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