

Recombinant Mouse Alox12b protein, His & T7-tagged

Cat. No. Alox12b-7853M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Alox12b aa. (Glu389~Ile701 (Accession # O70582)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Glu389~Ile701
Description	This gene encodes an enzyme involved in the conversion of arachidonic acid to 12R-hydroxyeicosatetraenoic acid. Mutations in this gene can prevent the formation of the epidermal permeability barrier and cause an ichthyosiform phenotype.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 39.7kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%
Characteristic	The isoelectric point is 5.7.
Applications	SDS-PAGE; WB; ELISA; IP

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Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.

GENE INFORMATION

Gene Name	Alox12b arachidonate 12-lipoxygenase, 12R type [<i>Mus musculus</i> (house mouse)]
Official Symbol	Alox12b
Synonyms	Alox12b; arachidonate 12-lipoxygenase, 12R type; Alox2; e-LOX2; 12R-LOX; arachidonate 12-lipoxygenase, 12R-type; 12R-lipoxygenase; epidermis-type lipoxygenase 12; epidermis-type lipoxygenase 2
Gene ID	11686
mRNA Refseq	NM_009659.2
Protein Refseq	NP_033789.1

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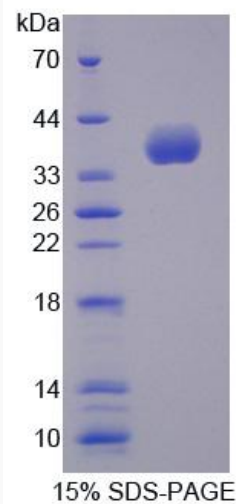
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UniProt ID

O70582

SDS-PAGE



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