

Recombinant Mouse Alox12b, His-tagged

Cat. No. Alox12b-3609M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Arachidonate 12-lipoxygenase, 12R-type (Alox12b)
Species	Mouse
Source	E.Coli/Yeast
ProteinLength	701
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
Warning	This product is for research use only. Not for use in diagnostic or therapeutic procedures.

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GENE INFORMATION

Gene Name	Alox12b arachidonate 12-lipoxygenase, 12R type [<i>Mus musculus</i>]
Official Symbol	Alox12b
Synonyms	ALOX12B; arachidonate 12-lipoxygenase, 12R type; arachidonate 12-lipoxygenase, 12R-type; 12R-LOX; e-LOX 2; 12R-lipoxygenase; epidermis-type lipoxygenase 2; epidermis-type lipoxygenase 12; Aloxe2; e-LOX2; MGC130560;
Gene ID	11686
mRNA Refseq	NM_009659
Protein Refseq	NP_033789
Pathway	Arachidonic acid metabolism, organism-specific biosystem; Arachidonic acid metabolism, conserved 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; oxidoreductase activity, acting on single donors with incorporation of molecular oxygen, incorporation of two atoms of oxygen;

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