

## Recombinant Mouse Alox12b, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Arachidonate 12-lipoxygenase, 12R-type (Alox12b)
<b>Species</b>	Mouse
<b>Source</b>	E.Coli/Yeast
<b>ProteinLength</b>	701
<b>Form</b>	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.
<b>Purity</b>	>90%
<b>Notes</b>	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.
<b>Storage</b>	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.
<b>Storage Buffer</b>	PBS pH 7.4, 50% glycerol
<b>Warning</b>	This product is for research use only. Not for use in diagnostic or therapeutic procedures.

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## GENE INFORMATION

<b>Gene Name</b>	Alox12b arachidonate 12-lipoxygenase, 12R type [ <i>Mus musculus</i> ]
<b>Official Symbol</b>	Alox12b
<b>Synonyms</b>	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;
<b>Gene ID</b>	11686
<b>mRNA Refseq</b>	NM_009659
<b>Protein Refseq</b>	NP_033789
<b>Pathway</b>	Arachidonic acid metabolism, organism-specific biosystem; Arachidonic acid metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; Serotonergic synapse, organism-specific biosystem;
<b>Function</b>	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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