

## 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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