

Recombinant Rat Alox5, His-tagged

Cat. No. Alox5-3610R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Arachidonate 5-lipoxygenase (Alox5)
Species	Rat
Source	E.Coli/Yeast
ProteinLength	670
Description	catalyzes the conversion of arachidonate to leukotriene A4 in leukotriene metabolism
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 Alox5 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

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Warning

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GENE INFORMATION

Gene Name [Alox5 arachidonate 5-lipoxygenase \[Rattus norvegicus \]](#)

Official Symbol Alox5

Synonyms ALOX5; arachidonate 5-lipoxygenase; 5-LO; 5-lipoxygenase; 5 - Lipoxygenase; LOX5A;

Gene ID [25290](#)

mRNA Refseq [NM_012822](#)

Protein Refseq [NP_036954](#)

Pathway

Arachidonic acid metabolism, organism-specific biosystem; Arachidonic acid metabolism, conserved biosystem; Eicosanoid Synthesis, organism-specific biosystem; Folic Acid Network, organism-specific biosystem; IL-5 Signaling Pathway, organism-specific biosy

Function

arachidonate 5-lipoxygenase activity; arachidonate 5-lipoxygenase activity; arachidonate 5-lipoxygenase activity; iron ion binding; iron ion binding; iron ion binding; lipoxygenase activity; metal ion binding; oxidoreductase activity; protein binding;

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