

Recombinant Human ALOX5 protein, His-tagged

Cat. No. ALOX5-5744H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ALOX5 protein(1-349 aa), fused with N-terminal His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-349 aa
Tag	N-His
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.
Reconstitution	Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage. After reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to add an equal volume of glycerol for long-term storage.

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AA Sequence

MPSYTVTVATGSQWFAGTDDYIYLSLVGSAGCSEKHLLDKPFYNDFERGAVDSYDV
TVDEELGEIQLVRIEKRYWLNDWYLYITLKTTPHGDYIEFPCYRWITGDVEVVLRD
GRAKLARDDQIHILKQHRRKELETRQKQYRWMEWNPFGFPLSIDAKCHKDLPRDIQF
DSEKGVDFVLNYSKAMENLFINRFMHMFQSSWNDFADEFKIFVKISNTISERVNMHW
QEDLMFGYQFLNGCNPVLIRRCTELPEKLPVTTEMVECSLERQLSLEQEVQQGNIFI
VDFELLDGIDANKTDPCTLQFLAAPICLLYKNLANKIVPIAIQLNQIPGDENPIFLPSDAK
YDWL

GENE INFORMATION

Gene Name [ALOX5 arachidonate 5-lipoxygenase \[Homo sapiens \]](#)

Official Symbol [ALOX5](#)

Synonyms ALOX5; arachidonate 5-lipoxygenase; 5 LOX; leukotriene A4 synthase; arachidonic acid 5-lipoxygenase; arachidonic 5-lipoxygenase alpha-10 isoform; arachidonic 5-lipoxygenase delta-13 isoform; arachidonic 5-lipoxygenase delta-p10 isoform; arachidonic 5-lipoxygenase delta-10-13 isoform; 5-LO; 5LPG; LOG5; 5-LOX; MGC163204;

Gene ID [240](#)

mRNA Refseq [NM_000698](#)

Protein Refseq [NP_000689](#)

MIM [152390](#)

UniProt ID [P09917](#)

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SDS-PAGE

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