

Recombinant Human Arachidonate 5-lipoxygenase 1

Cat. No. ALOX5-578H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Arachidonate 5-lipoxygenase 1 is expressed in a Baculovirus overexpression system in Sf21 cells. The molecular weight of the recombinant ALOX5 is 78 kDa.
Species	Human
Source	Sf21 Cells
Description	Arachidonate 5-lipoxygenase (5-lipoxygenase, 5-LO or Alox5) is a member of the lipoxygenase family of enzymes. It transforms EFAs into leukotrienes and is a current target for pharmaceutical intervention in a number of diseases. This gene encodes a member of the lipoxygenase gene family and plays a dual role in the synthesis of leukotrienes from arachidonic acid.
Purity	cell lysate 16,000 x g supernatant.
Formulation	A solution in 100 mM Tris, pH 8.0, containing 2 mM EGTA.
Storage	-80°C, 6 months.

GENE INFORMATION

Gene Name	ALOX5 arachidonate 5-lipoxygenase [Homo sapiens]
Synonyms	arachidonate 5-lipoxygenase; ALOX5; 5-LO; 5LPG; LOG5; 5-LOX; MGC163204;

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leukotriene A4 synthase; arachidonic acid 5-lipoxygenase	
Gene ID	240
mRNA Refseq	NM_000698
Protein Refseq	NP_000689
MIM	152390
UniProt ID	P09917
Chromosome Location	8p12
Pathway	Arachidonic acid metabolism; Metabolic pathways
Function	arachidonate 5-lipoxygenase activity; iron ion binding; lipoxygenase activity; metal ion binding; oxidoreductase activity;protein binding

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