

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 <i>Sf21 cells</i> . 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 [<i>Homo sapiens</i>]
Synonyms	arachidonate 5-lipoxygenase; ALOX5; 5-LO; 5LPG; LOG5; 5-LOX; MGC163204;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA