

Recombinant Human ALOX5AP

Cat. No. ALOX5AP-27299TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length protein, corresponding to amino acids 1-161 of Human FLAP, with an N-terminal proprietary tag, Predicted MWt 43.45 kDa
Species	Human
Source	Wheat Germ
ProteinLength	161 amino acids
Description	This gene encodes a protein which, with 5-lipoxygenase, is required for leukotriene synthesis. Leukotrienes are arachidonic acid metabolites which have been implicated in various types of inflammatory responses, including asthma, arthritis and psoriasis. This protein localizes to the plasma membrane. Inhibitors of its function impede translocation of 5-lipoxygenase from the cytoplasm to the cell membrane and inhibit 5-lipoxygenase activation. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene.
Molecular Weight	43.450kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MDQETVGNVVLLAIVTLISVVQNGFFAHKVEHESRTQNGR SFQRTGTLAFERVYTA NQNVCVDAYPTFLAVLWSAGLLCSQ VPAAAFAGLMYLFVRQKYFVG YLGERTQSTPG YIFGKRIIL FLFLMSVAGIFNYYLIFFFGSDFENYIKTISTTISPLLLI P
Sequence Similarities	Belongs to the MAPEG family.

GENE INFORMATION

Gene Name	ALOX5AP arachidonate 5-lipoxygenase-activating protein [Homo sapiens]
Official Symbol	ALOX5AP
Synonyms	ALOX5AP; arachidonate 5-lipoxygenase-activating protein; five lipoxygenase activating protein; FLAP; MK 886 binding protein;
Gene ID	241
mRNA Refseq	NM_001204406
Protein Refseq	NP_001191335
MIM	603700
Uniprot ID	P20292
Chromosome Location	13q12

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Pathway	Eicosanoid Synthesis, organism-specific biosystem; IL-5 Signaling Pathway, organism-specific biosystem; Selenium Pathway, organism-specific biosystem;
Function	arachidonate 5-lipoxygenase activity; arachidonic acid binding; enzyme activator activity; enzyme binding; NOT glutathione peroxidase activity;

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