

## Recombinant Human ALOX5AP

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length protein, corresponding to amino acids 1-161 of Human FLAP, with an N-terminal proprietary tag, Predicted MWt 43.45 kDa
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	161 amino acids
<b>Description</b>	<p>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.</p> <p>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.</p>
<b>Molecular Weight</b>	43.450kDa inclusive of tags
<b>Form</b>	Liquid
<b>Purity</b>	Proprietary Purification
<b>Storage buffer</b>	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl

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

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

<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
<b>Sequences of amino acids</b>	MDQETVGNVVLLAIVTLISVVQNGFFAHKVEHESRTQNGR SFQRTGTLAFERVYTA NQNCVDAYPTFLAVLWSAGLLCSQ VPAAFAGLMYLFVRQKYFVG YLGERTQSTPG YIFGKRIIL FLFLMSVAGIFNYLIFFFGSDFENYIKTISTTISPLLLI P
<b>Sequence Similarities</b>	Belongs to the MAPEG family.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">ALOX5AP</a> arachidonate 5-lipoxygenase-activating protein [ Homo sapiens ]
<b>Official Symbol</b>	<a href="#">ALOX5AP</a>
<b>Synonyms</b>	ALOX5AP; arachidonate 5-lipoxygenase-activating protein; five lipoxygenase activating protein; FLAP; MK 886 binding protein;
<b>Gene ID</b>	<a href="#">241</a>
<b>mRNA Refseq</b>	<a href="#">NM_001204406</a>
<b>Protein Refseq</b>	<a href="#">NP_001191335</a>
<b>MIM</b>	<a href="#">603700</a>
<b>Uniprot ID</b>	<a href="#">P20292</a>
<b>Chromosome Location</b>	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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