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Datasheet for ABIN7194300  
**ALOX5AP Protein (His tag)**

### Overview

Quantity:	100 µg
Target:	ALOX5AP
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ALOX5AP protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human ALOX5AP/FLAP Protein (His Tag)
Sequence:	Met 1-Pro 161
Characteristics:	A DNA sequence encoding the full length of human ALOX5AP (NP_001620.2) (Met 1-Pro 161) was fused with a polyhistidine tag at the carboxy-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	ALOX5AP
Alternative Name:	ALOX5AP/FLAP ( <a href="#">ALOX5AP Products</a> )
Background:	Background: Arachidonate 5-Lipoxygenase-Activating Protein (ALOX5AP), also known as FLAP, belongs to the MAPEG family. ALOX5AP/FLAP is an essential partner of 5-LO for this process. The FLAP (ALOX5AP) gene has been linked to risk for myocardial infarction, stroke and

## Target Details

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restenosis, reigniting pharmaceutical interest in this target. It had been found that ALOX5AP/FLAP is a key enzyme in leukotriene formation, in both human pulmonary microvascular endothelial cells and a transformed human brain endothelial cell line. In addition, the protein FLAP has recently been identified as an emerging target in metabolic disease. In fact, FLAP is overexpressed in the adipose tissue of patients and experimental animals with obesity.

Synonym: FLAP

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Molecular Weight: 19 kDa

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NCBI Accession: [NP\\_001620](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

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Reconstitution: Please refer to the printed manual for detailed information.

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Buffer: Lyophilized from sterile 20 mM Tris, 150 mM NaCl, 10 % glycerol, pH 7.4, 0.5 % triton, 5 mM DTT

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Storage: 4 °C,-20 °C,-80 °C

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Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.