

# Product Information

## MemDX™ Membrane Protein Human ALOX5AP (Arachidonate 5-lipoxygenase activating protein) for Antibody Discovery

Cat. No.: **MP1032J**

This product is for research use only and is not intended for diagnostic use.

This product is a 18 kDa Human ALOX5AP membrane protein expressed in HEK293T. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

### Product Specifications

#### Host Species

Human

#### Target Protein

ALOX5AP

#### Protein Length

Full-length

#### Protein Class

Druggable Genome, Transmembrane

#### Molecular Weight

18 kDa

#### TMD

4

#### Sequence

MDQETVGNVLLAIVTLISVVQNGFFAHKVEHESRTQNGRSFQRTGTLAFERVYTANQNCVDAYPTFLAV  
LWSAGLLCSQVPAAFAGLMYLFVRQKYFVGYLGERTQSTPGYIFGKRILFLFLMSVAGIFNYYLIFFFG  
SDFENYIKTISTTISPLLLIP

### Product Description

#### Expression Systems

HEK293T

#### Tag

C-Myc/DDK

#### Form

Liquid

**Purification**

Anti-DDK affinity column followed by conventional chromatography steps

**Purity**

> 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer**

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

**Storage**

Store at +4°C for up to one week or several months at -80°C

**Target****Target Protein**

ALOX5AP

**Full Name**

Arachidonate 5-lipoxygenase activating protein

**Introduction**

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.

**Alternative Names**

FLAP

**Gene ID**

[241](#)

**UniProt ID**

[P20292](#)