

## Product datasheet for **TP303785L**

### FLAP (ALOX5AP) (NM\_001629) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human arachidonate 5-lipoxygenase-activating protein (ALOX5AP), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203785 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MDQETVGNVLLAIVTLISWQNGFFAHKVEHESRTQNGRSFQRTGTLAFERVYTANQNCVDAYPTFLAV  
LWSAGLLCSQVPAAFAGLMYLFVRQKYFVGYLGERTQSTPGYIFGKRIILFLFLMSVAGIFNYLIFFFG  
SDFENYIKTISTTISPLLLIP

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	18 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_001620</a>
Locus ID:	241
UniProt ID:	<a href="#">P20292</a>



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RefSeq Size: 921

Cytogenetics: 13q12.3

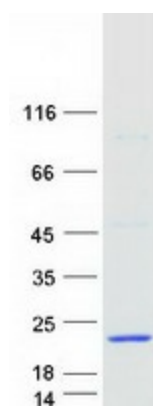
RefSeq ORF: 483

Synonyms: FLAP

**Summary:** 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. [provided by RefSeq, Feb 2011]

**Protein Families:** Druggable Genome, Transmembrane

### Product images:



Coomassie blue staining of purified ALOX5AP protein (Cat# [TP303785]). The protein was produced from HEK293T cells transfected with ALOX5AP cDNA clone (Cat# [RC203785]) using MegaTran 2.0 (Cat# [TT210002]).