

Product datasheet for PH303785

FLAP (ALOX5AP) (NM_001629) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ALOX5AP MS Standard C13 and N15-labeled recombinant protein (NP_001620)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203785
Predicted MW:	18.2 kDa
Protein Sequence:	>RC203785 protein sequence Red=Cloning site Green=Tags(s) MDQETVGNVLLAIVTLISVVQNGFFAHKVEHESRTQNGRSFQRTGTLAFERVY TANQNCV DAYPTFLAV LWSAGLLCSQVPAAFAGLMYLFVRQKYFVGYL GERTQSTPGYIFGKRIILFLMSVAGIFNYL IFFFG SDFENYIKTISTTISPLLLIP TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001620
RefSeq Size:	921
RefSeq ORF:	483
Synonyms:	FLAP
Locus ID:	241
UniProt ID:	P20292



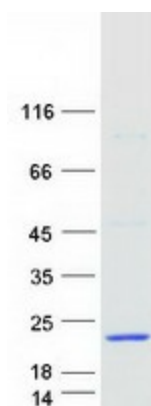
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Cytogenetics: 13q12.3

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]).