



Human ALOX5AP peptide (DAG-P0369)

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

PRODUCT INFORMATION

Antigen Description	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]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the MAPEG family.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	ALOX5AP arachidonate 5-lipoxygenase-activating protein [Homo sapiens (human)]
Official Symbol	ALOX5AP
Synonyms	ALOX5AP; arachidonate 5-lipoxygenase-activating protein; FLAP; MK-886-binding protein;
Entrez Gene ID	241

mRNA Refseq	NM_001204406.1
Protein Refseq	NP_001191335.1
UniProt ID	P20292
Chromosome Location	13q12
Pathway	Arachidonic acid metabolism, organism-specific biosystem; Eicosanoid Synthesis, organism-specific biosystem; IL-5 Signaling Pathway, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; Selenium Pathway, organism-specific biosystem; Synthesis of 5-eicosatetraenoic acids, organism-specific biosystem; Synthesis of Leukotrienes (LT) and Eoxins (EX), organism-specific biosystem; Synthesis of Lipoxins (LX), organism-
Function	arachidonic acid binding; enzyme activator activity; enzyme binding; NOT glutathione peroxidase activity; NOT glutathione transferase activity; NOT leukotriene-C4 synthase activity; protein N-terminus binding; protein binding; protein heterodimerization a