



Recombinant Protein Technical Manual

Recombinant Human ALOX5AP/FLAP Protein (His Tag)

RPES0597

Product Data:

Product SKU: RPES0597

Size: 20µg

Species: Human

Expression host: Baculovirus-Insect Cells

Uniprot: NP_001620.2

Protein Information:

Molecular Mass: 19 kDa

AP Molecular Mass: 19 kDa

Tag: C-His

Bio-activity:

Purity: > 90 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

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

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

Application:

Synonyms: FLAP

Immunogen Information:

Sequence: Met 1-Pro 161

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 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.