Recombinant Human ALOX5AP/FLAP Protein (His Tag)

Catalog Number: PKSH031059



Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms FLAP
Species Human

Expression Host Baculovirus-Insect Cells

SequenceMet 1-Pro 161AccessionNP_001620.2Calculated Molecular Weight19.0 kDaObserved molecular weight19 kDaTagC-His

Properties

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

Endotoxin $< 1.0 \text{ EU per } \mu \text{g of the protein as determined by the LAL method.}$

Storage Generally, 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% glycerol, pH 7.4, 0.5%

triton, 5mM DTT

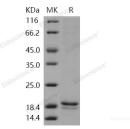
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as

protectants before lyophilization.

Please refer to the specific buffer information in

Reconstitution Please refer to the printed manual for detailed information.

Data



> 90 % as determined by reducing SDS-PAGE.

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.

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