

Recombinant Human ACYP2 Protein (GST Tag)

Catalog No. PKSH033419

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

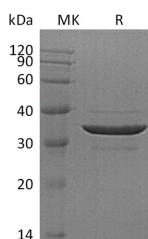
Description

Synonyms	Acylphosphatase-2;ACYP2;Acylphosphatase;muscle type isozyme;Acylphosphate phosphohydrolase 2;ACYP;ACYM
Species	Human
Expression Host	E.coli
Sequence	Ser2-Tyr99
Accession	P14621
Calculated Molecular Weight	37.4 kDa
Observed molecular weight	34 kDa
Tag	N-GST
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.
Formulation	Supplied as a 0.2 µm filtered solution of PBS, pH7.4.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

Background

ACYP2; also known as Acylphosphatase-2; is a protein which belongs to the acylphosphatase family. ACYP2 contains one acylphosphatase-like domain. ACYP2 plays an important role in hydrolyzing the phosphoenzyme intermediate of different membrane pumps; particularly the Ca²⁺/Mg²⁺-ATPase from sarcoplasmic reticulum of skeletal muscle. Two isoenzymes have been isolated; called muscle acylphosphatase and erythrocyte acylphosphatase on the basis of their tissue localization. This gene encodes the muscle-type isoform (MT). An increase of the MT isoform is associated with muscle

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differentiation.