



Recombinant Protein Technical Manual

Recombinant Human ACYP2 Protein (GST Tag)

RPES3897

Product Data:

Product SKU: RPES3897

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P14621

Protein Information:

Molecular Mass: 37.4 kDa

AP Molecular Mass: 34 kDa

Tag: N-GST

Bio-activity:

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

Endotoxin: < 1.0 EU per µg 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: Please refer to the printed manual for detailed information.

Application:

Synonyms: Acylphosphatase-2;ACYP2;Acylphosphatase; muscle type isozyme;Acylphosphate phosphohydrolase 2;ACYP;ACYM

Immunogen Information:

Sequence: Ser2-Tyr99

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 $\text{Ca}^{2+}/\text{Mg}^{2+}$ -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 differentiation.