

Recombinant Human Acylphosphate phosphohydrolase 2 Protein

Cat.NO.: TP05183

3th Edition

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

Description: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 differentiation.

Form:PBS

Molecular Weight:37.4 kDa

Sequences:Ser2-Tyr99

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.