

Product datasheet for **TP301976**

ACYP2 (NM_138448) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human acylphosphatase 2, muscle type (ACYP2), 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC201976 protein sequence
Red=Cloning site **Green**=Tags(s)

MSTAQSLKSVDYEVFGRVQGVCFRMYTEDEARKIGVVGWVKNTSKGTVTGQVQGPEDKVNMSKSWLSKVG
SPSSRIDRTNFSNEKTISKLEYSNFSIRY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 11 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_612457](#)

Locus ID: 98

UniProt ID: [P14621](#), [A0A140VJD7](#)

RefSeq Size: 1238

Cytogenetics: 2p16.2



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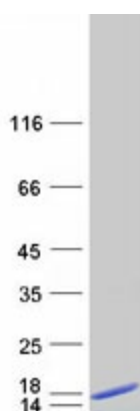
RefSeq ORF: 297

Synonyms: ACYM; ACYP

Summary: Acylphosphatase can hydrolyze 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. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2016]

Protein Pathways: Pyruvate metabolism

Product images:



Coomassie blue staining of purified ACYP2 protein (Cat# TP301976). The protein was produced from HEK293T cells transfected with ACYP2 cDNA clone (Cat# [RC201976]) using MegaTran 2.0 (Cat# [TT210002]).