

Product datasheet for **TP301976L**

ACYP2 (NM_138448) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human acylphosphatase 2, muscle type (ACYP2), 1 mg
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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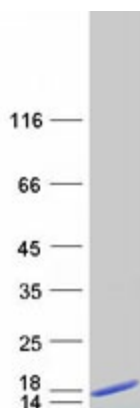
RefSeq ORF: 297

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]).