

Recombinant Full Length Human ACYP2 Protein, C-Flag-tagged

Cat. No. ACYP2-1195HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ACYP2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	11 kDa
AA Sequence	MSTAQSLKSVDYEVFGRVQGVCFRMYTEDEARKIGVVGWVKNTSKGTVTGQVQGP EDKVNSMKSWLSKVGSPSSRIDRTNFSNEKTISKLEYSNFSIRYTRTRPLEQKLISEE DLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.

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Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Pyruvate metabolism
Full Length	Full L.

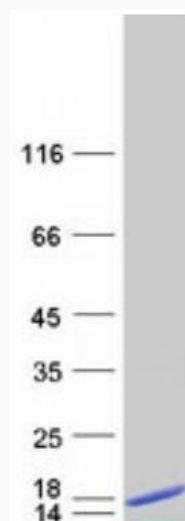
GENE INFORMATION

Gene Name	ACYP2 acylphosphatase 2 [Homo sapiens (human)]
Official Symbol	ACYP2
Synonyms	ACYM; ACYP
Gene ID	98
mRNA Refseq	NM_138448.4
Protein Refseq	NP_612457.1
MIM	102595
UniProt ID	P14621

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Coomassie blue staining of purified ACYP2 protein.

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