

Recombinant Human ACYP2 Protein, His-tagged

Cat. No. ACYP2-489H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ACYP2(Ser2~Tyr99) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ser2~Tyr99
Description	Acylphosphatase can hydrolyze the phosphoenzyme intermediate of different membrane pumps, particularly the Ca ²⁺ /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	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	14.7kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 95%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others

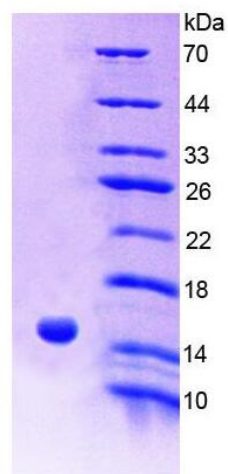
GENE INFORMATION

Gene Name	ACYP2 acylphosphatase 2, muscle type [Homo sapiens]
Official Symbol	ACYP2
Synonyms	ACYP2; acylphosphatase 2, muscle type; acylphosphatase-2; acylphosphate phosphohydrolase 2; acylphosphatase, muscle type isozyme; ACYM; ACYP;
Gene ID	98
mRNA Refseq	NM_138448
Protein Refseq	NP_612457
MIM	102595
UniProt ID	P14621

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15% SDS-PAGE

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