

Recombinant Human ACP

Cat. No. ACP-3123H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Acyl Carrier Protein, Mitochondrial (ACP)
Species	Human
Source	E.coli
ProteinLength	156
Description	About the Marker: Effective Size Range: 10kDa to 70kDa. Protein bands: 10kDa, 14kDa, 18kDa, 22kDa, 26kDa, 33kDa, 44kDa and 70kDa. Double intensity bands: The 26kDa, 18kDa, 10kDa bands are at double intensity to make location and size approximation of proteins of interest quick and easy. Ready-to-use: No need to heat, dilute or add reducing agents before use.
Form	Supplied as lyophilized form in PBS, pH 7.4, containing 5% sucrose, 0.01% sarcosyl.
Molecular Mass	17.7kDa
Endotoxin	<1.0eu per 1ug (determined by the lal) <1.0eu
Purity	>95%
Applications	SDS-PAGE, Western Blot (WB), ELISA (EIA), Immunoprecipitation (IP)
Notes	Small volumes of ACP recombinant protein may occasionally become entrapped in

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the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container's cap. Certain products may require to ship with dry ice.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

Reconstitution

Reconstitute in sterile PBS, pH7.2-pH7.4.

Warning

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GENE INFORMATION

Gene Name

NDUFAB1 NADH dehydrogenase (ubiquinone) 1, alpha/beta subcomplex, 1, 8kDa [Homo sapiens]

Official Symbol

NDUFAB1

Synonyms

NDUFAB1; ACP; SDAP; FASN2A; acyl carrier protein, mitochondrial; CI-SDAP; complex I SDAP subunit; mitochondrial acyl carrier protein; NADH:ubiquinone oxidoreductase SDAP subunit; NADH-ubiquinone oxidoreductase 9.6 kDa subunit

Gene ID

4706

mRNA Refseq

NM_005003

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Protein Refseq	NP_004994
MIM	603836
UniProt ID	O14561
Chromosome Location	16p12.2
Pathway	Alzheimer"s disease, organism-specific biosystem; Alzheimer"s disease, conserved biosystem
Function	ACP phosphopantetheine attachment site binding involved in fatty acid biosynthetic process; NADH dehydrogenase (ubiquinone) activity; calcium ion binding

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