

Recombinant Human MPC1 protein, His & GST-tagged

Cat. No. MPC1-1568H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MPC1 aa. (Met1~Ala109 (Accession # Q9Y5U8)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~Ala109
Description	The protein encoded by this gene is part of an MPC1/MPC2 heterodimer that is responsible for transporting pyruvate into mitochondria. The encoded protein is found in the inner mitochondrial membrane. Defects in this gene are a cause of mitochondrial pyruvate carrier deficiency. Several transcript variants, some protein coding and one non-protein coding, have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 42.3kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%
Applications	SDS-PAGE; WB; ELISA; IP.

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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°C 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°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	9.7

GENE INFORMATION

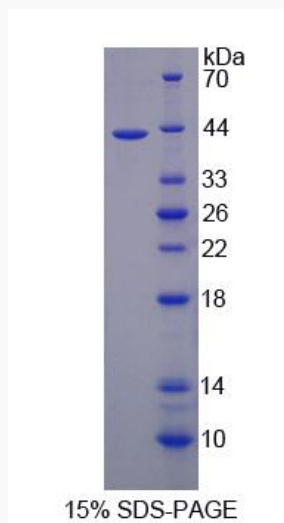
Gene Name	MPC1 mitochondrial pyruvate carrier 1 [Homo sapiens (human)]
Official Symbol	MPC1
Synonyms	MPC1; mitochondrial pyruvate carrier 1; MPYCD; BRP44L; CGI-129; SLC54A1; dJ68L15.3; mitochondrial pyruvate carrier 1; HSPC040 protein; brain protein 44-like protein
Gene ID	51660
mRNA Refseq	NM_016098.3
Protein Refseq	NP_057182.1
UniProt ID	Q9Y5U8

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SDS-PAGE



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