

Recombinant Full Length Human SLC25A20 Protein, C-Flag-tagged

Cat. No. SLC25A20-1973HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SLC25A20 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene product is one of several closely related mitochondrial-membrane carrier proteins that shuttle substrates between cytosol and the intramitochondrial matrix space. This protein mediates the transport of acylcarnitines into mitochondrial matrix for their oxidation by the mitochondrial fatty acid-oxidation pathway. Mutations in this gene are associated with carnitine-acylcarnitine translocase deficiency, which can cause a variety of pathological conditions such as hypoglycemia, cardiac arrest, hepatomegaly, hepatic dysfunction and muscle weakness, and is usually lethal in new born and infants.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	32.8 kDa
AA Sequence	MADQPKPISPLKNLLAGGFGGVCLVFVGHPLDTVKVRLQTQPPSLPGQPPMYSGTF DCFRKTLFREGITG LYRGMAAPIIGVTPMFAVCFFGFGGLGKKLQQKHPEDVLSYPQL FAAGMLSGVFTTGIMTPGERIKCLLQI QASSGESKYTGTLDCAKKLYQEFGIRGIYKG TVLTLMRDVPASGMFYMTYEWLKNIFTPEGKRVSELSAP RILVAGGIAGIFNWAIPAIP

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	PDVLKSRFQTAPPGKYPNGFRDVLRELIRDEGVTSLYKGFNAMIRAFPPAN AACFL GFEVAMKFLNWATPNL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
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 Families	Druggable Genome, Transmembrane
Full Length	Full L.

GENE INFORMATION

Gene Name	SLC25A20 solute carrier family 25 member 20 [Homo sapiens (human)]
Official Symbol	SLC25A20
Synonyms	CAC; CACT
Gene ID	788
mRNA Refseq	NM_000387.6

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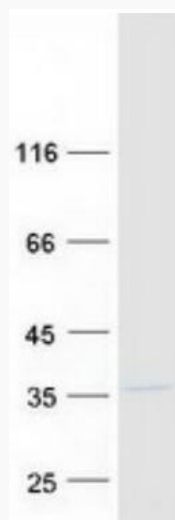
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Protein Refseq NP_000378.1

MIM 613698

UniProt ID O43772



Coomassie blue staining of purified SLC25A20 protein.

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