

## Product datasheet for **TP300234**

### SLC25A20 (NM\_000387) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human solute carrier family 25 (carnitine/acylcarnitine translocase), member 20 (SLC25A20), nuclear gene encoding mitochondrial protein, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200234 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MADQPKPISPLKNLLAGGFGGVCLVFGHPLDVKVRLQTQPPSLPGQPPMYSGTDFDCFRKTLFREGITG LYRGMAAPIIGVTPMFAVCFGGFGLGKKLQKHPEDVLSYPQLFAAGMLSGVFTTGIMTPGERIKCLLQI QASSGESKYTGTLDCAKKLYQEFGIRGIYKGTVLTLMRDVPASGMFYFMYEWLKNIFTPEGKRVSELSAP RILVAGGIAGIFNWAVAIPDVLKSRFQTAPPGKYPNGFRDVLRELIRDEGVTSLYKGFNAVMIRAFPAN AACFLGFVAMKFLNWATPNL
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	32.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_000378</a></u>
Locus ID:	788



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UniProt ID: [O43772](#)

RefSeq Size: 1909

Cytogenetics: 3p21.31

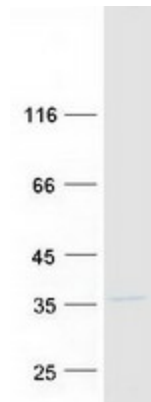
RefSeq ORF: 903

Synonyms: CAC; CACT

**Summary:** 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. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome, Transmembrane

### Product images:



Coomassie blue staining of purified SLC25A20 protein (Cat# TP300234). The protein was produced from HEK293T cells transfected with SLC25A20 cDNA clone (Cat# [RC200234]) using MegaTran 2.0 (Cat# [TT210002]).