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Product datasheet for TP301461M

BRP44L (MPC1) (NM_016098) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human brain protein 44-like (BRP44L), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201461 protein sequence Red=Cloning site Green=Tags(s) MAGALVRKAADYVRSKDFRDYLMSTHFWGPVANWGLPIAAINDMKKSPEIISGRMTFALCCYSLTFMRFA YKVQPRNWLLFACHATNEVAQLIQGGRLIKHEMTKTASA TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	12.2 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:	NP_057182
Locus ID:	51660
UniProt ID:	Q9Y5U8
RefSeq Size:	977
Cytogenetics:	6q27

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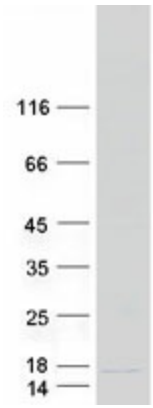
RefSeq ORF: 327

Synonyms: BRP44L; CGI-129; MPYCD; SLC54A1

Summary: 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. [provided by RefSeq, Aug 2012]

Product images:



Coomassie blue staining of purified MPC1 protein (Cat# [TP301461]). The protein was produced from HEK293T cells transfected with MPC1 cDNA clone (Cat# [RC201461]) using MegaTran 2.0 (Cat# [TT210002]).