

Product datasheet for **TP507904**

Slc16a1 (NM_009196) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse solute carrier family 16 (monocarboxylic acid transporters), member 1 (Slc16a1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR207904 representing NM_009196 Red =Cloning site Green =Tags(s)

MPPAIGGPVGYTPPDGGWGWAFLVGFISIGFSYAFPKSITVFFKEIEVIFSATTSEVSWISSIMLAVMY
AGGPISILVNKYGSRPVMIAAGGCLSGCGLIAASFCNTVQELYLCIGVIGGLGLAFNLNPALTMIGKYFY
KKRPLANGLAMAGSPVFLSTLAPLNQAFFDIFDWRGSFLILGGLLNCCVAGSLMRPIGPEQVKLEKLS
KESLQEAGKSDANTDLIGGSPKGEKLSVFTINKFLDLSLFTHRGFLLYLGNVMMFFGLFTPLVFLSSY
GKSKDFSSEKSAFLLSILAFVDMVARPSMGLAANTKWIRPRIQYFFAASVWANGVCHLLAPLSTTYVGFC
VYAGVFGFAFGWLSVLFETLMDLIGPQRFSsavglvtiveccpVLLGPPLLGRlNDMYGDYKYTYWACG
VILIAGIYLFiGMGINYRLLAKEQKAEKQKREGKEDEASTDVDEKPKETMKAQSPQQHSSGDPTEEE
SPV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	53.7 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
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 after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

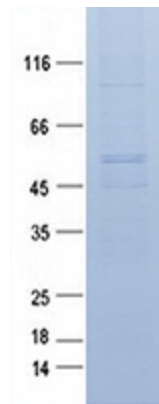


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RefSeq: [NP_033222](#)
Locus ID: 20501
UniProt ID: [P53986](#), [Q544N9](#)
RefSeq Size: 4428
Cytogenetics: 3 F2.2
RefSeq ORF: 1479
Synonyms: AL022710; Mct1

Summary: Proton-coupled monocarboxylate transporter. Catalyzes the rapid transport across the plasma membrane of many monocarboxylates such as lactate, pyruvate, branched-chain oxo acids derived from leucine, valine and isoleucine, and the ketone bodies acetoacetate, beta-hydroxybutyrate and acetate. Depending on the tissue and on circumstances, mediates the import or export of lactic acid and ketone bodies. Required for normal nutrient assimilation, increase of white adipose tissue and body weight gain when on a high-fat diet. Plays a role in cellular responses to a high-fat diet by modulating the cellular levels of lactate and pyruvate, small molecules that contribute to the regulation of central metabolic pathways and insulin secretion, with concomitant effects on plasma insulin levels and blood glucose homeostasis. [UniProtKB/Swiss-Prot Function]

Product images:



Purified recombinant protein Slc16a1 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.