

Recombinant Human SLC16A1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SLC16A1-6558H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SLC16A1 MS Standard C13 and N15-labeled recombinant protein (NP_003042) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a proton-linked monocarboxylate transporter that catalyzes the movement of many monocarboxylates, such as lactate and pyruvate, across the plasma membrane. Mutations in this gene are associated with erythrocyte lactate transporter defect. Alternatively spliced transcript variants have been found for this gene.
Molecular Mass	53.9 kDa
AA Sequence	MPPAVGGPVGYTTPDGGWGWAVVIGAFISIGFSYAFPKSITVFFKEIEGIFHATTSEV SWISSIMLAVMYGGGPISSILVNKYGSRIVMIVGGCLSGCGLIAASFCNTVQQLYVCIG VIGGLGLAFNLNPALTMIGKYFYKRRPLANGLAMAGSPVFLCTLAPLNQVFFGIFGW RGSFLILGLLLLNCCVAGALMRPIGPKPTKAGKDKSKASLEKAGKSGVKKDLHDANT DLIGRHPKQEKRSVFQQTINQFLDLTLFTHRGFLLYLSGNVIMFFGLFAPLVFLSSYGKS QHYSSEKSAFLLSILAFVDMVARPSMGLVANTKPIRPRIQYFFAASVVANGVCHMLA PLSTTYVGFCVYAGFFGFAFGWLSSVLFTLMDLVGPQRFSSAVGLVTIVECCPVLL GPPLLGRNLNDMYGDYKYTYWACGVVLIISGIYLFIMGINRYRLLAKEQKANEQKKESK

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	EEETSIDVAGKPNEVTKAAESPDQKDTDGGPKKEEESPVTRTRPLEQKLISEEDLAAN DILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	SLC16A1 solute carrier family 16 member 1 [Homo sapiens (human)]
Official Symbol	SLC16A1
Synonyms	SLC16A1; solute carrier family 16, member 1 (monocarboxylic acid transporter 1); solute carrier family 16 (monocarboxylic acid transporters), member 1; monocarboxylate transporter 1; MCT; MCT1; MCT 1; solute carrier family 16 member 1; HHF7; FLJ36745; MGC44475;
Gene ID	6566
mRNA Refseq	NM_003051
Protein Refseq	NP_003042

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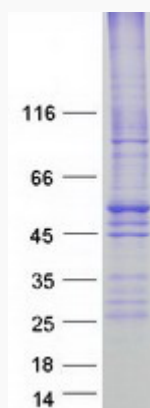
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MIM 600682

UniProt ID P53985

SDS-PAGE



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