Recombinant Full Length Human SLC16A1 Protein, C-Flag-tagged

Cat. No. SLC16A1-953HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SLC16A1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	53.8 kDa
AA Sequence	MPPAVGGPVGYTPPDGGWGWAVVIGAFISIGFSYAFPKSITVFFKEIEGIFHATTSEV SWISSIMLAVMY GGGPISSILVNKYGSRIVMIVGGCLSGCGLIAASFCNTVQQLYVCI GVIGGLGLAFNLNPALTMIGKYFY KRRPLANGLAMAGSPVFLCTLAPLNQVFFGIFG WRGSFLILGGLLLNCCVAGALMRPIGPKPTKAGKDKS KASLEKAGKSGVKKDLHDA NTDLIGRHPKQEKRSVFQTINQFLDLTLFTHRGFLLYLSGNVIMFFGLFAP LVFLSSY GKSQHYSSEKSAFLLSILAFVDMVARPSMGLVANTKPIRPRIQYFFAASVVANGVCH MLAPLS TTYVGFCVYAGFFGFAFGWLSSVLFETLMDLVGPQRFSSAVGLVTIVECC

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	PVLLGPPLLGRLNDMYGDYK YTYWACGVVLIISGIYLFIGMGINYRLLAKEQKANEQK KESKEEETSIDVAGKPNEVTKAAESPDQKDTD GGPKEEESPVTRTRPLEQKLISEEDLAANDILDYKDDDDKV
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	Transmembrane
Full Length	Full L.

GENE INFORMATION

Gene Name	SLC16A1 solute carrier family 16 member 1 [Homo sapiens (human)]
Official Symbol	SLC16A1
Synonyms	MCT; HHF7; MCT1; MCT1D
Gene ID	6566
mRNA Refseq	NM_003051.4

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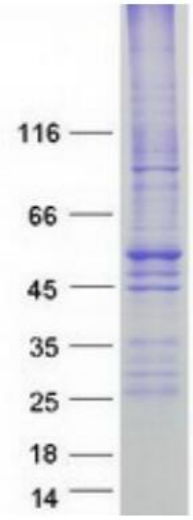
Protein Refseq	NP_003042.3
MIM	600682
UniProt ID	P53985



Coomassie blue staining of purified SLC16A1 protein.

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