Recombinant Full Length Human SLC16A1 Protein, GST-tagged

Cat. No. SLC16A1-6788HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length Human SLC16A1 Protein is produced by Wheat Germ (in vitro) expression system. This protein is fused with a GST tag at the N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	189 amino acids
Description	The SLC16A1 gene encodes a monocarboxylate transporter (MCT1) that mediates the movement of lactate and pyruvate across cell membranes Import and export of these substrates by tissues such as erythrocytes, muscle, intestine, and kidney are ascribed largely to the action of a proton-coupled MCT (Garcia et al., 1994).
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	80.4 kDa
AA Sequence	MPPAVGGPVGYTPPDGGWGWAVVIGAFISIGFSYAFPKSITVFFKEIEGIFHATTSEV SWISSIMLAVMYGGGPISSILVNKYGSRIVMIVGGCLSGCGLIAASFCNTVQQLYVCIG VIGGLGLAFNLNPALTMIGKYFYKRRPLANGLAMAGSPVFLCTLAPLNQVFFGIFGW RGSFLILGGLLLNCCVAGALMRPIGPKPTKAGKDKSKASLEKAGKSGVKKDLHDANT DLIGRHPKQEKRSVFQTINQFLDLTLFTHRGFLLYLSGNVIMFFGLFAPLVFLSSYGKS QHYSSEKSAFLLSILAFVDMVARPSMGLVANTKPIRPRIQYFFAASVVANGVCHMLA

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	PLSTTYVGFCVYAGFFGFAFGWLSSVLFETLMDLVGPQRFSSAVGLVTIVECCPVLL GPPLLGRLNDMYGDYKYTYWACGVVLIISGIYLFIGMGINYRLLAKEQKANEQKKESK EEETSIDVAGKPNEVTKAAESPDQKDTEGGPKEEESPV
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	SLC16A1 solute carrier family 16, member 1 (monocarboxylic acid transporter 1) [Homo sapiens]
Official Symbol	SLC16A1
Synonyms	SLC16A1; solute carrier family 16, member 1 (monocarboxylic acid transporter 1); MCT; MCT1; MCT 1; HHF7; FLJ36745; MGC44475;
Gene ID	6566
mRNA Refseq	NM_001166496
Protein Refseq	NP_001159968
MIM	600682

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UniProt ID	P53985

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