

Recombinant Human SLC16A1 Protein, GST-tagged

Cat. No. SLC16A1-54H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant 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	Wheat Germ
Protein Length	1-500 a.a.
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	MPPAVGGPVGYPDPDGGWGWAVVIGAFISIGFSYAFPKSITVFFKEIEGIFHATTSEV SWISSIMLAVMYGGGPISSILVNKYGSRIVMIVGGCLSGCGLIAASFCNTVQQLYVCIG VIGGLGLAFNLPALTMIGKYFYKRRPLANGLAMAGSPVFLCTLAPLNQVFFGIFGW RGSFLILGGLLLNCCVAGALMRPIGPKPTKAGKDKSKASLEKAGKSGVKKDLHDANT DLIGRHPKQEKRSVFQTNQFLDLTLFTHRGFLYLSGNVIMFFGLFAPLVFLSSYGKS QHYSSEKSAFLLSILAFVDMVARPSMGLVANTKPIRPRIQYFFAASVVANGVCHMLA PLSTTYVGFCVYAGFFGFAFGWLSSVLFFETLMDLVGPQRFSSAVGLVTIVECCPVLL

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GPPLLGR LNDMYGDYKYTYWACGVVLIISGIYLFIGMGINYRLLAKEQKANEQKKESK
EEETSIDVAGKPNVTKAAESPDQKDTEGGPKKEEESPV

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

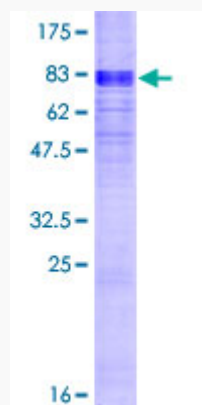
UniProt ID

P53985

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12.5% SDS-PAGE Stained with Coomassie Blue.

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