

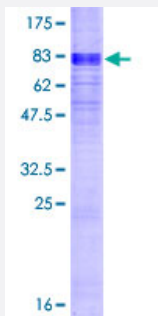
Full-Length

SLC16A1 (Human) Recombinant Protein (P01)

Catalog # H00006566-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human SLC16A1 full-length ORF (P53985, 1 a.a. - 500 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MPPAVGGPVGYTTPDGGWGWAVVIGAFISIGFSYAFPKSITVFFKEIEGIFHATTSEVSWISSIMLAV
MYGGGPISSILVNKYGSRVMVGGCLSGCGLIAASFCNTVQQLYVCIGVIGGLGLAFNLPALTMIGK
YFYKRRPLANGLAMAGSPVFLCTLAPLNQVFFGIFGWRGSFLILGGLLNCCVAGALMRPIGPKPT
KAGKDKSKASLEKAGKSGVKKDLHDANTDLIGRHPKQEKRSVFQTINQFLDLTLFTHRGFLLYLSG
NVIMFFGLFAPLVFLSSYGKSQHYSSSEKSAFLLSILAFVDMVARPSMGLVANTKPIRPRIQYFFAAS
VVANGVCHMLAPLSTTYVGFCVYAGFFGFAFGWLSSVLFETLMDLVGPQRFSSAVGLVTIVECC
PVLLGPPLLGRNDMYGDYKYTYWACGVVLIISGYLFIGMGINYRLLAKEQKANEQKESKEEETS
DVAGKPNEVTKAAESPDQKDTEGGPKKEEESPV

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

80.4

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SLC16A1

Entrez GeneID[6566](#)**GeneBank Accession#**[P53985](#)**Protein Accession#**[P53985](#)**Gene Name**

SLC16A1

Gene Alias

FLJ36745, HHF7, MCT, MCT1, MGC44475

Gene Description

solute carrier family 16, member 1 (monocarboxylic acid transporter 1)

Omim ID[245340 600682](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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 [PubMed 8124722]).[supplied by OMIM]

Other Designations

OTTHUMP00000013960|monocarboxylate transporter 1|solute carrier family 16 (monocarboxylic acid transporters), member 1|solute carrier family 16, member 1

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Hearing Loss](#)
- [Kidney Failure](#)