

Recombinant Human SLC16A3 Protein

Cat. No. SLC16A3-39H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SLC16A3 Protein is produced by Wheat Germ (in vitro) expression system.
Species	Human
Source	Wheat Germ
Description	Lactic acid and pyruvate transport across plasma membranes is catalyzed by members of the proton-linked monocarboxylate transporter (MCT) family, which has been designated solute carrier family-16. Each MCT appears to have slightly different substrate and inhibitor specificities and transport kinetics, which are related to the metabolic requirements of the tissues in which it is found. The MCTs, which include MCT1 (SLC16A1; MIM 600682) and MCT2 (SLC16A7; MIM 603654), are characterized by 12 predicted transmembrane domains (Price et al., 1998).
Form	Liquid, 25 mM Tris-HCl of pH8.0 containing 2% glycerol.
Molecular Mass	51.2 kDa
AA Sequence	MGGAVVDEGPTGVKAPDGGWGWAVLFGCFVITGFSYAFPKAVSVFFKELIQEFGIG YSDTAWISSILLAMLYGTGPLCSVCVNRFGCRPVMVLVGGLFASLGMVAASFCSRIIQ VYLTTGVITGLGLALNFQPSLIMLNRYFSKRRPMANGLAAAGSPVFLCALSPLGQLLQ DRYGWRGGFLILGGLLNCCVCAALMRPLVVTAQPGSGPPRPSRRLLDLSVFRDRG FVLYAVAASVMVLGLFVPPVFVVSYAKDLGVPDTKAAFLLTILGFIDIFARPAAGFVAG LGKVRPYSVYLFSFSMFFNGLADLAGSTAGDYGGLVVFCEFFGISYGMVGALQFEVL

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MAIVGTHKFSSAIGLVLLMEAVAVLVGPPSGGKLLDATHVYMYVFILAGAEVLTSSLIL
LLGNFFCIRKKPKPEQPVEVAAAEEEEKLHKPPADSGVDLREVEHFLKAEPEKNGEVVH
TPETSV

Usage

Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

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

SLC16A3 solute carrier family 16, member 3 (monocarboxylic acid transporter 4) [Homo sapiens]

Official Symbol

SLC16A3

Synonyms

MCT3; MCT4; MCT 3; MCT 4; MCT-3; MCT-4

Gene ID

9123

mRNA Refseq

NM_004207.3

Protein Refseq

NP_004198.1

MIM

603877

UniProt ID

O15427

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