

Recombinant Full Length Human SLC16A3 Protein

Cat. No. SLC16A3-6791HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length Human SLC16A3 Protein is produced by Wheat Germ (in vitro) expression system.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	1043 amino acids
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 YSDTAWISSILLAMLYGTGPLCSVCVNRFGCRPVMLVGGLFASLGMVAASFCRSIIQ VYLTTGVITGLGLALNFQPSLIMLNRYFSKRRPMANGLAAAGSPVFLCALSPLGQLLQ DRYGWRGGFLILGGLLNCCVCAALMRPLVVTAQPGSGPPRPSRRLDLSVFRDRG

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FVLYAVAASVMVLGLFVPPVFVVSYAKDLGVPDTKAAFLLTILGFIDIFARPAAGFVAG
 LGKVRPYSVYLFSFSMFFNGLADLAGSTAGDYGGLVVFCEIFFGISYGMVGALQFEVL
 MAIVGTHKFSSAIGLVLLMEAVAVLVGPPSGGKLLDATHVYMYVFILAGAEVLTSSLIL
 LLGNFFCIRKKPKPEQPVEVAAAEEEEKLHKPPADSGVDLREVEHFLKAEPEKNGEVH
 TPETSV

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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