# Recombinant Full Length Human SLC16A3 Protein

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

## SPECIFICATION

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| **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 DRYGWRGGFLILGGLLLNCCVCAALMRPLVVTAQPGSGPPRPSRRLLDLSVFRDRG |

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| | FVLYAVAASVMVLGLFVPPVFVVSYAKDLGVPDTKAAFLLTILGFIDIFARPAAGFVAG LGKVRPYSVYLFSFSMFFNGLADLAGSTAGDYGGLVVFCIFFGISYGMVGALQFEVL MAIVGTHKFSSAIGLVLLMEAVAVLVGPPSGGKLLDATHVYMYVFILAGAEVLTSSLIL LLGNFFCIRKKPKEPQPEVAAAEEEKLHKPPADSGVDLREVEHFLKAEPEKNGEVVH 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

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| **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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