Proteoliposomes Full-Length

SLC16A3 (Human) Recombinant Protein

Catalog # H00009123-G01 Size 2 ug

Specification

Product Description	Human SLC16A3 full-length ORF (ADR83188.1) recombinant protein without tag. This product is belong to Proteoliposome (PL).
Sequence	MGGAVVDEGPTGVKAPDGGWGWAVLFGCFVITGFSYAFPKAVSVFFKELIQEFGIGYSDTAWISS ILLAMLYGTGPLCSVCVNRFGCRPVMLVGGLFASLGMVAASFCRSIIQVYLTTGVITGLGLALNFQP SLIMLNRYFSKRRPMANGLAAAGSPVFLCALSPLGQLLQDRYGWRGGFLILGGLLLNCCVCAALM RPLVVTAQPGSGPPRPSRRLLDLSVFRDRGFVLYAVAASVMVLGLFVPPVFVVSYAKDLGVPDT KAAFLLTILGFIDIFARPAAGFVAGLGKVRPYSVYLFSFSMFFNGLADLAGSTAGDYGGLVVFCIFF GISYGMVGALQFEVLMAIVGTHKFSSAIGLVLLMEAVAVLVGPPSGGKLLDATHVYMYVFILAGAE VLTSSLILLLGNFFCIRKKPKEPQPEVAAAEEEKLHKPPADSGVDLREVEHFLKAEPEKNGEVVH TPETSV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	51.2
Interspecies Antigen Sequence	Mouse (88); Rat (88)
Form	Liquid
Preparation Method	*in vitro* wheat germ expression system with proprietary liposome technology
Purification	None
Recommend Usage	Heating may cause protein aggregation. Please do not heat this product before electrophoresis.
Storage Buffer	25 mM Tris-HCl of pH8.0 containing 2% glycerol.
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

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- Antibody Production

Gene Info — SLC16A3

Entrez GeneID	9123
GeneBank Accession#	HQ258434.1
Protein Accession#	ADR83188.1
Gene Name	SLC16A3
Gene Alias	MCT3, MCT4, MGC138472, MGC138474
Gene Description	solute carrier family 16, member 3 (monocarboxylic acid transporter 4)
Omim ID	603877
Gene Ontology	Hyperlink
Gene Summary	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 [PubMed 9425115]).[supplied by OMIM
Other Designations	monocarboxylate transporter 3|monocarboxylate transporter 4|solute carrier family 16 (monocarboxylic acid transporters), member 3|solute carrier family 16, member 3

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema

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