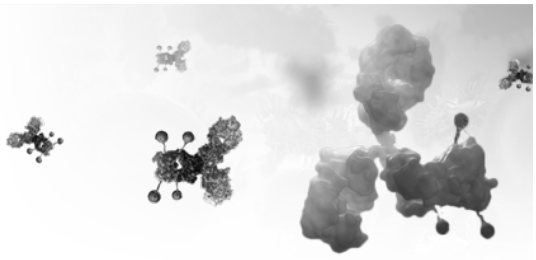

Human SLC16A1 peptide (DAG-P0749)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is a proton-linked monocarboxylate transporter that catalyzes the movement of many monocarboxylates, such as lactate and pyruvate, across the plasma membrane. Mutations in this gene are associated with erythrocyte lactate transporter defect. Alternatively spliced transcript variants have been found for this gene.[provided by RefSeq, Oct 2009]
Specificity	Widely expressed in normal and in cancer cells.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the major facilitator superfamily. Monocarboxylate porter (TC 2.A.1.13) family.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	SLC16A1 solute carrier family 16 (monocarboxylate transporter), member 1 [Homo sapiens (human)]
Official Symbol	SLC16A1
Synonyms	SLC16A1; solute carrier family 16 (monocarboxylate transporter), member 1; MCT; HHF7; MCT1; monocarboxylate transporter 1; MCT 1; solute carrier family 16 member 1; solute carrier family 16 (monocarboxylic acid transporters), member 1; solute carrier family 16, member 1

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	(monocarboxylic acid transporter 1);
Entrez Gene ID	6566
mRNA Refseq	NM_001166496.1
Protein Refseq	NP_001159968.1
UniProt ID	B4DKS0
Chromosome Location	1p12
Pathway	Basigin interactions, organism-specific biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem; Hemostasis, organism-specific biosystem; Metabolism, organism-specific biosystem; Proton-coupled monocarboxylate transport, organism-specific biosystem; Pyruvate metabolism, organism-specific biosystem; Pyruvate metabolism and Citric Acid (TCA) cycle, organism-specific biosystem; SLC-mediated transmembrane transport, organism-specific biosystem; The citric acid (TCA) cy
Function	mevalonate transmembrane transporter activity; monocarboxylic acid transmembrane transporter activity; organic cyclic compound binding; protein homodimerization activity; secondary active monocarboxylate transmembrane transporter activity; symporter activ

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