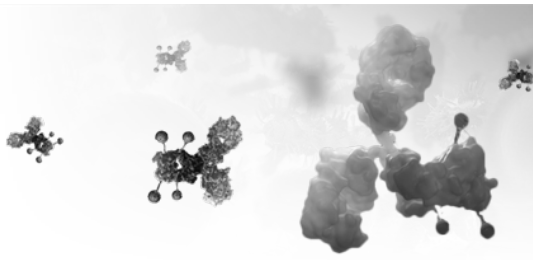

SLC22A3 peptide (DAG-P0006)

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

PRODUCT INFORMATION

Antigen Description	Polyspecific organic cation transporters in the liver, kidney, intestine, and other organs are critical for elimination of many endogenous small organic cations as well as a wide array of drugs and environmental toxins. This gene is one of three similar cation transporter genes located in a cluster on chromosome 6. The encoded protein contains twelve putative transmembrane domains and is a plasma integral membrane protein. [provided by RefSeq, Jul 2008]
Specificity	Expressed in placenta, skeletal muscle, prostate, aorta, liver, fetal lung, salivary gland, adrenal gland, kidney and brain cortex. No expression detected in spleen.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the major facilitator superfamily. Organic cation transporter 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	SLC22A3 solute carrier family 22 (organic cation transporter), member 3 [Homo sapiens (human)]
Official Symbol	SLC22A3
Synonyms	SLC22A3; solute carrier family 22 (organic cation transporter), member 3; EMT; EMTH; OCT3;

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	solute carrier family 22 member 3; organic cation transporter 3; EMT organic cation transporter 3; extraneuronal monoamine transporter; solute carrier family 22 (extraneuronal monoamine transporter), member 3;
Entrez Gene ID	6581
mRNA Refseq	NM_021977.3
Protein Refseq	NP_068812.1
UniProt ID	O75751
Chromosome Location	6q25.3
Pathway	Abacavir transmembrane transport, organism-specific biosystem; Abacavir transport and metabolism, organism-specific biosystem; Metabolism, organism-specific biosystem; Organic cation transport, organism-specific biosystem; Organic cation/anion/zwitterion transport, organism-specific biosystem; SLC-mediated transmembrane transport, organism-specific biosystem; Synaptic Vesicle Pathway, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem; Transport
Function	dopamine transmembrane transporter activity; organic cation transmembrane transporter activity; protein binding; quaternary ammonium group transmembrane transporter activity; toxin transporter activity;

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