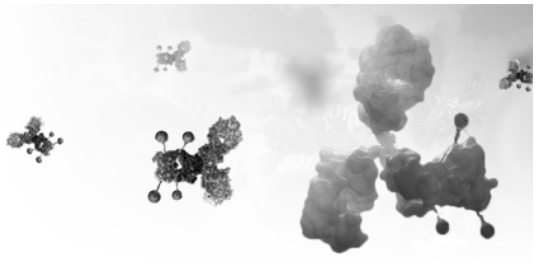

Human SLC1A5 peptide (DAG-P1982)

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

PRODUCT INFORMATION

Antigen Description	The SLC1A5 gene encodes a sodium-dependent neutral amino acid transporter that can act as a receptor for RD114/type D retrovirus (Larriba et al., 2001 [PubMed 11781704]).[supplied by OMIM, Jan 2011]
Specificity	Placenta, lung, skeletal muscle, kidney, pancreas, and intestine.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the sodium:dicarboxylate (SDF) symporter (TC 2.A.23) family. SLC1A5 subfamily.
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	SLC1A5 solute carrier family 1 (neutral amino acid transporter), member 5 [Homo sapiens (human)]
Official Symbol	SLC1A5
Synonyms	SLC1A5; solute carrier family 1 (neutral amino acid transporter), member 5; R16; AAAT; ATBO; M7V1; RDRC; ASCT2; M7VS1; neutral amino acid transporter B(0); ATB(0); RD114 virus receptor; baboon M7 virus receptor; neutral amino acid transporter B; solute carrier family 1 member 5; RD114/simian type D retrovirus receptor; sodium-dependent neutral amino acid transporter type 2;

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Entrez Gene ID	6510
mRNA Refseq	NM_001145144.1
Protein Refseq	NP_001138616.1
UniProt ID	Q15758
Chromosome Location	19q13.3
Pathway	Amino acid transport across the plasma membrane, organism-specific biosystem; Protein digestion and absorption, organism-specific biosystem; Protein digestion and absorption, conserved biosystem; SLC-mediated transmembrane transport, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem; Transport of inorganic cations/anions and amino acids/oligopeptides, organism-specific biosystem;
Function	L-glutamine transmembrane transporter activity; L-serine transmembrane transporter activity; neutral amino acid transmembrane transporter activity; receptor activity; sodium:dicarboxylate symporter activity; virus receptor activity;

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