



Human SLC15A2 blocking peptide (CDBP2250)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-PEPT2 antibody
Antigen Description	The mammalian kidney expresses a proton-coupled peptide transporter that is responsible for the absorption of small peptides, as well as beta-lactam antibiotics and other peptide-like drugs, from the tubular filtrate. This transporter, SLC15A2, belongs to the same gene family as SLC15A1 (MIM 600544), the proton-coupled peptide transporter found in the small intestine (Liu et al, 1995 [PubMed 7756356]).[supplied by OMIM, Feb 2011]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	SLC15A2 solute carrier family 15 (oligopeptide transporter), member 2 [Homo sapiens (human)]
Official Symbol	SLC15A2
Synonyms	SLC15A2; solute carrier family 15 (oligopeptide transporter), member 2; PEPT2; solute carrier family 15 member 2; peptide transporter 2; kidney H(+)/peptide cotransporter; oligopeptide

transporter, kidney isoform; solute carrier family 15 (H⁺/peptide transporter), member 2;

Entrez Gene ID	6565
mRNA Refseq	NM_001145998.1
Protein Refseq	NP_001139470.1
UniProt ID	Q16348
Chromosome Location	3q13.33
Pathway	Proton/oligonucleotide cotransporters, organism-specific 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	antibiotic transporter activity; dipeptide transporter activity; high affinity oligopeptide transporter activity; peptide:hydrogen symporter activity; protein binding;