

## Product datasheet for **RC228544**

### SLC15A2 (NM\_001145998) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC15A2 (NM_001145998) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC15A2
Synonyms:	PEPT2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>RC228544 representing NM\_001145998  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

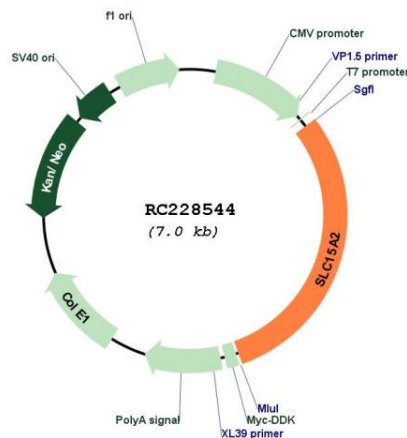
ATGAATCCTTTCCAGAAAAATGAGTCCAAGGAACTCTTTTTTACCTGTCTCCATTGAAGAGGTACCAC  
CTCGACCACCTAGCCCTCAAAGAAGCCATCTCGACAATCTGTGGCTCCAACCTATCCACTGAGCATTGC  
CTTCATTGTGGTGAATGAATTCTGCGAGCGCTTTTCTATTATGGAATGAAAGCTGTGCTGATCCTGTAT  
TTCCTGTATTTCTGCACTGGAATGAAGATACCTCCACATCTATATACCATGCCTTCAGCAGCCTCTGTT  
ATTTTACTCCCATCCTGGGAGCAGCCATTGCTGACTCGTGGTTGGGAAAATTCAAAGTCTATCATTGAT  
CGGCCTGAGTCTAATAGCTTTGGGGACAGGAGGCATCAAACCTGTGTGGCAGCTTTTGGTGAGACCAG  
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TACAATAAACCCCTGAAGGAAACATAGTGGCTCAAGTTTTCAAATGTATCTGGTTTCTATTTCCA  
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CTCCAGCATGATGGTAAAGGATACAGAAAGCAGAAACAACCAATGGGATGACAACCGTGAGGTTTGTAAAC  
ACTTTGCATAAAGATGTCAACATCTCCCTGAGTACAGATACCTCTCTCAATGTTGGTGAAGACTATGGTG  
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AGATAAGCACATTCCTCACATCCAGGGGAACATGATCAAACCTAGAGACCAAGAAGACAAAACCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
  2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
  3. Close the tube and incubate for 10 minutes at room temperature.
  4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
  5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
- RefSeq:** [NM\\_001145998.2](#)
- RefSeq ORF:** 2097 bp
- Locus ID:** 6565
- UniProt ID:** [Q16348](#)
- Cytogenetics:** 3q13.33
- Protein Families:** Transmembrane
- MW:** 78.3 kDa
- Gene Summary:** 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]

**Product images:**



Circular map for RC228544