

## Product datasheet for RN200222

### Slc15a1 (NM\_001079838) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Slc15a1 (NM\_001079838) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Slc15a1  
**Synonyms:** Pept1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN200222 representing NM\_001079838  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGTCCAGAGTGATGGCTGCCTGGAAGTGAAGGAATTCGAAGACATCCCACCAACACGGTGAACATGG  
 CCCTGCAGATCCCACGTA CTTCTCCTCACCTGCGGCGAGGTGGTCTTCTCTGTACAGGACTGGAGTT  
 CTCCTATTTCCAGCCCCGTCTAACATGAAGTCCGTGCTTCAGGCAGGATGGCTTCTAACGTGGCCATC  
 GGTAAATCATTGTCTCATTGTGGCTGAGGCAGGCCACTTCGACAAACAGTGGGCTGAGTATGTTCTGT  
 TCGCCTCCTTGCTCCTGGTCTGTCATCATATTTGCCATTATGGCCGATTCTACACCTACATCAACCC  
 AGCAGAGATCGAGGCACAGTTTCGATGAGGATGAGAAGAAAAGGGCGTAGGGAAGGAAAACCCGATTTC  
 TCGTTGGAACCTGTCTCACAGACAAACATGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_001079838  
**Insert Size:** 453 bp  
**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001079838.1</u> , <u>NP_001073307.1</u>
<b>RefSeq Size:</b>	626 bp
<b>RefSeq ORF:</b>	453 bp
<b>Locus ID:</b>	117261
<b>UniProt ID:</b>	<u>P51574</u>
<b>Cytogenetics:</b>	15q24
<b>Gene Summary:</b>	<p>acts as a proton dependent peptide transporter; may transport oral beta-lactam antibiotics across intestinal brush borders [RGD, Feb 2006]</p> <p>Transcript Variant: This variant (2) lacks alternate exons in the 5' UTR and 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (pgPepT1) has a distinct N-terminus and is shorter than isoform PepT1.</p>