

Product datasheet for **RN200221**

Slc15a1 (NM_057121) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc15a1 (NM_057121) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc15a1
Synonyms:	Pept1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN200221 representing NM_057121
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGATGTCCAAGTCTCGGGTTGCTTTGGCTACCCATTGAGCATCTTCTTCATCGTGGTCAATGAAT
 TCTGTGAAAGATTCTCCTACTATGGGATGCGAGCTCTCCTGGTTCTGTACTTCAGGAACTTCCTTGCTG
 GGATGATGACCTCTCCACGGCCATCTACCATACGTTTGTGCCCCTCTGCTACCTGACTCCAATTCTTGGA
 GCTCTGATCGCAGACTCGTGGCTGGGGAAGTTCAAGACAATTGTCTCACTATCCATCGTCTACACGATCG
 GACAGGCCGTCATCTCAGTGAGCTCAATTAATGACCTTACAGACCATGACCACGACGGCAGTCTAAACA
 CCTTCTTTGACAGTACTGTCCATGATCGGCCTGGCCCTGATAGCCCTTGGTACAGGAGGAATCAAG
 CCCTGTGTGTCTGCAATTTGGTGGCGATCAGTTGAAGAGGGTCAGGAAAAACAGCGAAACCGGTTCTTTT
 CCATCTTTTATTTGGCTATCAACGCAGGAAGCCTGCTCTCCACGATCATCACTCCCATACTCAGAGTTCA
 GCAGTGCAGGAATCCACAGCCAACAAGCTTGTACCCTGACCTTGGGGTTCGGCAGCTCTCATGGCT
 GTTGCCCTAATTGTGTTGTCCTCGGCAGTGGAATGTACAAGAAGTTTCAGCCCCAGGGCAACATCATGG
 GCAAAGTGGCCAAGTGCATTTCGGTTTGCCATCAAAAACAGGTTTCGGCACCGAAGTAAGGCATTTCCCAA
 GAGGAACCACTGGCTGGACTGGGCTAAAGAGAAATACGATGAGAGGCTCATCTCGCAGATTAAGATAATG
 ACGAAGGTGATGTTTCTGTACATTTCCCCTCCCCATGTTTTGGGCCTGTTTGACCAGCAGGGTCCAGGT
 GGACACTGCAAGCAACGACCATGACTGGGAAAAATTGGAACAATTGAGATTCAGCCGGACCATGACAGAC
 GGTGAACGCCATCTTGATGTGATCATGGTCCCCATTGTGGACGCCGTGGTGTATCCGCTCATTGCAAAA
 TGTGGTTTCAACTTCACCTCCCTGAAGAAGATGACCGTTGGGATGTTCTGGCATCCATGGCCTTTGTGG
 TGGCTGCAATTGTGACAGGTGGAATCGATAAACTCTTCCAGTCTCCCCAGCGGAAATCAAGTTCAAAT
 TAAGGTCTTGAACATTGGAACAATGACATGGCCGTGATTTTCCCTGGAAAGAATGTGACAGTTGCCCAA
 ATGTCTCAGACAGACACATTCATGACTTTCGATGTAGACCAGCTGACAAGCATAAACGTGTCTTCTCCC
 GATCTCCAGCGCTCACCACGGTAGCTCATGAGTTTGGCCGGTACCCGGCACACCCTTCTAGTGTGGGG
 CCCCAATCTATACCGTGTGGTAAAGACGGTCTTAACCAAAAGCCAGAGAAAGGGGAGAACGGAATCAGA
 TTCGTCAGCACCCCTAACGAGATGATCACCATCAAAATGAGTGGAAAAGTGTACGAAAATGTCACCAGTC
 ACAGCGCCAGCAACTATCAGTTTTTCCCTTCTGGCCAAAAGACTACACAATAAACACCACAGAGATTGC
 ACCAAACTGTTTCATCTGATTTTAAATCTTCCAACCTTGACTTCGGCAGCGCGTACACCTACGTGATCAGA
 AGTAGGGCGAGTGTGGCTGCCTGGAAGTGAAGGAATTGGAAGACATCCCACCAACACGGTGAACATGG
 CCTGACAGATCCACAGTACTTCTCCTCACCTGCGGCGAGGTGGTCTTCTCTGTACAGGACTGGAGTT
 CTCTATTCCCAGGCCCGTCTAACATGAAGTCCGTGCTTCAGGCAGGATGGCTTCTAACCGTGGCCATC
 GGTAATATCATTGTCTCATTGTGGCTGAGGCAGGCCACTTCGACAAACAGTGGGCTGAGTATGTTCTGT
 TCGCCTCCTGTCTGGTCTGCTGATCATATTTGCCATTATGGCCCGATTCTACACCTACATCAACCC
 AGCAGAGATCGAGGCACAGTTCGATGAGGATGAGAAGAAAAAGGGCGTAGGGAAGGAAAACCCGTATTCC
 TCGTTGGAACCTGTCTCACAGACAAACATG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_057121

Insert Size: 2133 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).

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:	<ol style="list-style-type: none">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:	<u>NM_057121.1</u> , <u>NP_476462.1</u>
RefSeq Size:	3032 bp
RefSeq ORF:	2133 bp
Locus ID:	117261
UniProt ID:	<u>P51574</u>
Cytogenetics:	15q24
Gene Summary:	acts as a proton dependent peptide transporter; may transport oral beta-lactam antibiotics across intestinal brush borders [RGD, Feb 2006] Transcript Variant: This variant (1) encodes the longer isoform (PepT1).