

Product datasheet for **RN203925**

Slc20a1 (NM_031148) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc20a1 (NM_031148) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc20a1
Synonyms:	PiT-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>RN203925 representing NM_031148
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCATCTACCCTGGCCCCGATTACTAGTACTCTAGCTGCTGTTACTGCTTCTGCTCCACCGAAGTATG
 ACAATCTGTGGATGCTCATCCTGGGCTTCATCATTGCATTGTCTTGGCATTCTCCGTGGGAGCCAATGA
 TGAGCAAATTCATTTGGTACAGCTGTAGGCTCAGGTGTAGTGACCTGAAGCAAGCCTGCATCCTAGCT
 AGCATCTTCGAACTGTGGGCTCCGCTTGTGGGGCCAAAGTGAGTGAACCATCCGGAAGGGCTTGA
 TAGATGTGGAGAAGTACAACGCAACTCAAGATCTGCTCATGGCTGGCTCTGTCACTGCTATGTTGGTTC
 TGCTGTGTGGCAACTAGTGGCTTCGTTTTGAAGCTTCCTATTTCTGGGACCCATTGTATTGTCGGTGCA
 ACCATTGGTTTCTCCTTGTGGCAAAGGGACAAGAGGGTATCAAATGGTCCGAAGTATAAAATTTGTGA
 TGTCTTGGTTCGCTCTCCTACTGCTTCTGGTATTATGTCTGGAATTTTATTCTTCTTGTTCGTGCATT
 CATCCTCCGTAAAGCAGATCCAGTTCCTAATGGCTTACGAGCTTACCCATTTTTATGCCTGCACAATT
 GGAATCAACCTCTTTCCATTATGTATACTGGAGCACCATTGCTGGGCTTGGACAACTTCTCTGTGGG
 GTACCATCCTCATCTCGGTGGGATGTGCAGTTTTCTGTGCCCTTATCGTCTGGTCTTCTGTATGTCCAG
 GATGAAGAGGAAAATTGAACGAGAAGTAAAGTCTAGTCCCTCTGAAAGTCCCTTAATGAAAAGAAGAAC
 AACTTAAAGACCATGAAGAAACAAAGATGGCTCCTGGCGATGTTGAGAAATAGGAATCCTGTGTCTGAGG
 TAGTATGTGCCACTGGCCCACTACGGGCTGTGGTGGAGGAGAGAACGGTGTCAATTAACCTCGGTGACCT
 GGAGGAAGCTCCGGAGCGAGAGCGGCTTCCCATGGACCTGAAGGAGGAGACCAACATAGATGGTACTATC
 AATGGTGCAGTGCAGTTGCCTAATGGGAACCTTGTTCAGTTCAGTCAAACCGTCAGCAACCAGATCAACT
 CCAGTGGCCACTATCAGTATCACACCGTGCACAAGGATTCTGGCTTGTACAAAGAGCTGCTCCATAAGCT
 ACATCTGGCCAAGGTGGGAGACTGCATGGGAGACTCTGGGGACAAGCCCTTGAGACGCAACAACAGCTAC
 ACATCCTACACCATGGCAATATGTGGCATGCCCTGGATTCTTCCGTGCCAAAGAAGGGGAACAAAAGG
 GAGACGAAATGGAACGCTGACTTGGCCTAATGCAGATACCAAGAAGCGGATTGCGATGGACAGTTACAC
 CAGTTACTGCAATGCTGTGTCTGACCTTCACTCAGAGTCTGAGATGGACATGAGTGTAAAGGCAGAGATG
 GGTCTGGGTGACAGAAAAGGAAGCAGTGGCTCTTTGAAGAATGGTATGATCAGGATAAGCCTGAAGTGT
 CCCTTCTCTTCCAGTTTCTGCAGATCCTTACAGCCTGCTTGGGTCTTTGCCCATGGTGGCAATGACGT
 CAGCAATGCCATCGGCCCTCTGGTTGCTTGTATCTTGTATGAAACGAGAGATGTCACTACAAAAGAG
 GCAACACCCATATGGCTTCTGCTTTATGGTGGTGTGGCATTTCATGGGGCTATGGGTTTGGGGAAGAA
 GAGTTATCCAGACTATGGGGAAGGACCTGACACCAATCACACCCTCCAGTGGTTTCAGTATTGAACTGGC
 ATCTGCCTTCACTGTGGTCTGTCGATCAAACATTGGCCTTCCCATCAGCACAACACATTGTAAGGTGGGC
 TCTGTGGTGTCTGTTGGCTGGCTCCGATCCAAGAAGGCTGTTGACTGGCGACTGTTTCGAAACATTTTAA
 TGGCCTGGTTTGTACCGTCCCTATTTCTGGGGTTATCAGTGTCTATCATGGCAGTGTTCAGCACAT
 CATTCTGCCGGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms:

https://cdn.origene.com/chromatograms/ja2057_c03.zip

Restriction Sites:

Sgfl-MluI

ACCN:

NM_031148

Insert Size:

2046 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
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_031148.1 , NP_112410.1
RefSeq Size:	2850 bp
RefSeq ORF:	2046 bp
Locus ID:	81826
UniProt ID:	Q9JJP0
Cytogenetics:	3q36
Gene Summary:	a Na ⁺ -dependent Pi cotransporter; may be involved in Pi and vitamin D function in the parathyroid [RGD, Feb 2006]