

Product datasheet for **RN205286**

Slc20a2 (NM_017223) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc20a2 (NM_017223) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc20a2
Synonyms:	Ab1-188; Glvr2; Pit-2; RAM-1; Ram1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN205286 representing NM_017223
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCATGGATGGGTATCTGTGGATGGTCATTTTGGGTTTCATTATTGCTTTCATCCTGGCATTTCAG
 TTGGTGCCAATGATGTTGCCAACTCTTTGGAACCGCGGTGGGCTCTGGCGTGGTGACCCTGAGACAGGC
 ATGCATTTCTGGCTTCGATATTTGAAACCACCGGCTCTGTGCTTTTGGGAGCGAAAGTGGGAGAGACTATC
 CGGAAGGGCATCATTGACGTGAACCTCTACAATGAGACTGTGGAACGCTCATGGCTGGGGAAGTGAGTG
 CAATGGTCGGCTCAGCGGTCTGGCAGTTGATCGCGTCCTTCTGAGACTCCCAATCTCAGGGACACACTG
 CATCGTGGGCTCTACCATTGGCTTCTCGCTCGTGGCCATCGGCCAAAGGGAGTGCAAGTGGATGAAACTC
 GTCAAGATCGTTGCTCCTGGTTCATATCCCCACTTCTGTCTGGCTTCATGTCTGGTGTGCTGTTTCATCC
 TGATCAGAAATGTTTCATCCTAACCAAGGAGACCCTGTTCCAAACGGTCTCCAGGCACTTCTCTGTTTTA
 TGCTGCCACTATAGCAATAAACGCTTTCTCCATCATGTACACAGGAGCACCAGTGTGGGCTGTGCTC
 CCCATCTGGGCAATAGCGCTCATCTCCTTCGGCGTTGCCCTGCTGTTCCGCTTCTTCGTGTGGCTGTTCCG
 TGTGTCCGTGGATGAAGAGGAAAATAGCGGGCAGGTTAGAGAAGGAGAGTGCTCTGTCCCGCGCTCTGA
 CGAAAGCCTCAGGAAGGTACAGGAAGCTGAGTCCCTGTCTTAAAGGAGCTTCTGGTGCCAAAGCCAGT
 GATGACAGCGCTGTCCCCTCACCAGTCTGGCTGGGGAGGCTGCGGGGGCCTCAGAAGGCACGTCAGCAG
 GGAACCACCCCGGGCTTCTACGGCCGAGCACTTCCATGACTCACGGCTCTGCAAAGTCAACCCATCTC
 CAATGGAACCTTTGGCTTCGAAGGCCACATGAGGAATGACGGTACGTTTATCATACTGTACACAAAAGAC
 TCGGGACTCTACAAGACTTGTGCACAAAATCCATGTAGACAAGGGCCCGAGGAGAAACCAGCTCAGG
 AAAACAACACTACAGGCTGCTCCGGAGGAACAACAGCTACAGTGTACACGGCAGCCATCTGCGGCATGC
 GGTGCACGCCACCTTCAGGGCCTCGGACACCTCCTCCGCCCCCGAGGATAGCGAGAAGCTGGTGGGTGAC
 ACCGTGTCTTATCCAAGAAGAGGCTCCGCTACGACAGCTACTCCAGCTACTGCAACCGGTGGCCGAGG
 CGGAGATCGAGGCCAAGAGGGCGGCTGGAAATGAGGCTGGCCTCTGAGCTGACCGATCCTGACCAGCC
 TCACGAGGATCCTGCGGAAGACGAGAAGGAGGAGAAGGACTCCGAGAGGTCCACCTGCTTCCACTTC
 CTGCAAGTCTCACTGCCTGCTTTGGGCTCTTGGCTCACGGTGGCAACGATGTGAGCAATGCTATCGGTC
 CCCTTGTGGCCCTGTGGCTGATATATAACAAGGCGGAGTTACACAAGAAGCTGCTACTCCAGTCTGGCT
 GCTGTTTTATGGGGCGTTGGCATCTGCACAGGCTCTGGGTTTGGGGCAGAAGAGTGATCCAGACCATG
 GGAAGGATCTCACCCATCACACCGTCCAGTGGCTTCACTATTGAGCTGGCCTCTGCCTTCAACCGTGG
 TGATCGCCTCAAACATTGGGCTTCCCGTACGACCACACACTGCAAGGTGGGCTCAGTGGTAGCCGTGGG
 CTGGATCCGCTCCCGAAGGCTGTGGACTGGCGCCTTCCGGAACATATTTATTGCCTGGTTCTGTGACC
 GTGCCGTGGCCGACTTTTCAGTGTGCTATCATGGCTCTCCTCATGTATATGTGGTTTTGTTTCTT
 CCAGTCGGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2039_a02.zip

Restriction Sites: SgfI-Mlul

ACCN: NM_017223

Insert Size: 1971 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_017223.2](#), [NP_058919.1](#)

RefSeq Size: 3655 bp

RefSeq ORF: 1971 bp

Locus ID: 29502

UniProt ID: [Q63488](#)

Cytogenetics: 16q12.5

Gene Summary: cellular receptor which mediates virus entry [RGD, Feb 2006]