

Product datasheet for **RR205286**

Slc20a2 (NM_017223) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide
Sequence:

>RR205286 representing NM_017223
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCATGGATGGGTATCTGTGGATGGTCATTTTGGGTTTCATTATTGCTTTCATCCTGGCATTTCAG
TTGGTGCCAATGATGTTGCCAACTCCTTTGGAACCGCGGTGGGCTCTGGCGTGGTGACCCTGAGACAGGC
ATGCATTCTGGCTTCGATATTTGAAACCACCGGCTCTGTGCTTTTGGGAGCGAAAGTGGGAGAGACTATC
CGGAAGGGCATCATTGACGTGAACCTCTACAATGAGACTGTGAAACGCTCATGGCTGGGGAAGTGAGTG
CAATGGTCGGCTCAGCGGTCTGGCAGTTGATCGCGTCCTTCTGAGACTCCCAATCTCAGGGACACACTG
CATCGTGGGCTCTACCATTGGCTTCTCGCTCGTGGCCATCGGCCAAAGGGAGTGCAAGTGGATGAAACTC
GTCAAGATCGTTGCCCTCGTTTATATCCCCACTTCTGTCTGGCTTTCATGTCTGGTGTGCTGTTTATCC
TGATCAGAAATGTTTATCCTAACCAAGGAGGACCCTGTTCCAAACGGTCTCCAGGCACTTCTCTGTTTTA
TGCTGCCACTATAGCAATAAACGCTTTTCCATCATGTACACAGGAGCACCAGTGTGGGCTGTGCTC
CCCATCTGGGCAATAGCGCTCATCTCCTTCGGCGTTGCCCTGCTGTTCCGCTTCTTCGTGTGGCTGTTCCG
TGTGTCCGTGGATGAAGAGGAAAATAGCGGGCAGGTTAGAGAAGGAGAGTGTCTGTCCCAGCGCTCTGA
CGAAAGCCTCAGGAAGGTACAGGAAGCTGAGTCCCCTGTCTTTAAGGAGCTTCTGGTGCCAAAGCCAGT
GATGACAGCGCTGTCCCCTCACCAGTCTGGCTGGGGAGGCTGCGGGGGCCTCAGAAGGCACGTCAGCAG
GGAACCACCCCGGGCTTCTACGGCCGAGCACTTCCATGACTCACGGCTCTGCAAAGTCAACCATCTC
CAATGGAACCTTTGGCTTCAAGGCCACATGAGGAATGACGGTACGTTTATCATACTGTACACAAAAGAC
TCGGGACTCTACAAGACTTGTGCACAAAATCCATGTAGACAAGGGCCCCGAGGAGAAACCAGCTCAGG
AAAACAACACTACAGGCTGCTCCGGAGGAACAACAGCTACACGTGCTACACGGCAGCCATCTCGGCGATGCC
GGTGCACGCCACCTTCAGGGCTTCGGACACCTCCTCCGCCCCGAGGATAGCGAGAAGCTGGTGGGTGAC
ACCGTGTCTTATCCAAGAAGAGGCTCCGCTACGACAGCTACTCCAGTACTGCAACCGGTGGCCGAGG
CGGAGATCGAGGCCGAAGAGGGCGGCTGGAAATGAGGCTGGCTCTGAGCTGACCGATCTGACCAGCC
TCACGAGGATCTGCGGAAGACGAGAAGGAGGAGAAGGACTCCGCAGAGGTCCACCTGCTTCCACTTC
CTGCAAGTCTCACTGCCTGCTTTGGGCTCTTGGCTCACGGTGGCAACGATGTGAGCAATGCTATCGGTC
CCCTTGTGGCCCTGTGGCTGATATATAACAAGGCGGAGTTACACAAGAAGCTGCTACTCCAGTCTGGCT
GCTGTTTTATGGGGCGTTGGCATCTGCACAGGCTCTGGGTTTGGGGCAGAAGAGTGATCCAGACCATG
GGGAAGGATCTCACCCATCACACCGTCCAGTGGCTTCACTATTGAGCTGGCCTCTGCCTTACCCTGG
TGATCGCCTCAAACATTGGGCTTCCCGTACGACCACACACTGCAAGGTGGGCTCAGTGGTAGCCGTGGG
CTGGATCCGCTCCCGGAAGGCTGTGGACTGGCGCTCTTCCGGAACATATTTATTGCCTGGTTCTGTGACC
GTGCCGTGGCCGACTTTTCAAGTGTGCTATCATGGCTCTCCTCATGTATATATGTGGTTTTGTTTCTT
CCAGTCGG

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR205286 representing NM_017223
 Red=Cloning site Green=Tags(s)

MAMDGYLWMVILGFIIAFILAFSVGANDVANSFGTAVGSGVVTLRQACILASIFETTGSVLLGAKVGETI
 RKGIIDVNLVNETVETLMAGEVSAMVGSVAVWQLIASFLRLPISGTHCIVGSTIGFSLVAIGPKGVQWML
 VKIVASWFISPLLSGFMSGVLFILIRMFILTKEDPVPNGLQALPLFYAATIAINVFSIMYTGAPVLGSL
 PIWAIALISFGVALLFAFFVWLFVCPWMKRKIAGRLEKESALSRASDESLRKVQEAESPVKELPGAKAS
 DDSAVPLTSLAGEAAGASEGTSAGNHPRASYGRALSMTHGSAKSPISNGTFGFEGHMRNDGHVYHTVHKD
 SGLYKDLLLHKIHVDKGPPEKPAQENNYRLLRRNNSYCYTAAICGMPVHATFRASDTSSAPEDSEKLVGD
 TVSYSKKRLRYDSYSSYCNAAVAEAEIEAEEGGVEMRLASELTPDQPHEDPAEDEKEEKDSAEVHLLFHF
 LQVLTACFGSAFHGGNDVSNIGPLVALWLIYKQGGVTQEATPVWLLFYGGVGICTGLVWVWRRVIVQTM
 GKDLTPITPSSGFTIELASFTVVIASNIGLPVSTTHCKVGSVAVGWIRSRKAVDWRLFRNIFIAWVFT
 VPVAGLFSAAIMALLMYICGFVSSSR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

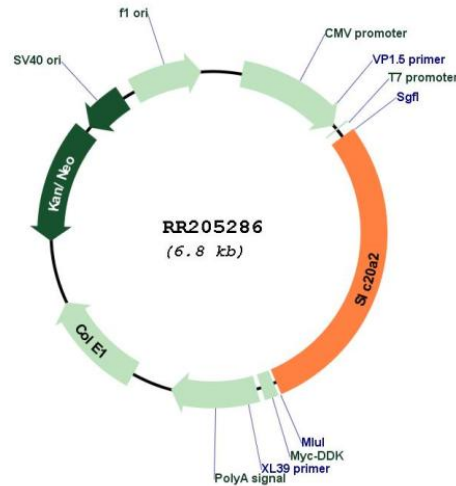
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_017223

ORF Size: 1968 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

MW: 70.7 kDa

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