

Product datasheet for **RR207295**

Slc29a2 (NM_031738) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc29a2 (NM_031738) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc29a2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR207295 representing NM_031738
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGCACGAAACGCCCTCGGGACAGCTACCACCTGGTCGGGATCAGCTTCTTCATTTGGGTCTGG
 GCACCCTCCTCCCTGGAACCTTCTTATTACCGCCATCCCGTACTTCCAGGGCGGTTGGCAGGGACCAA
 CAGCAGCGCTGAGACCCCGAGCACCAACACACAGTCCACAGACACCTTCAACTTCAACAACCTGGGTG
 AACTGCTGTCCAGCTGCCTCTACTGCTCTTACGCTCCTCAACTCCTTCTGTATCAGTGCATCCCTG
 AGTCGGTGCATTTCTGGGCAGCCTGCTGGCCATACTACTGCTCTTGGCCTGACAGCAGCGCTGGTAA
 GGTGGATTTGAGCCCGGGCTGTTCTTTCCATCACCATGGCATCCGTCTGGTTCATCAATTCCTTCTGT
 GCAGTGTCAAGGCAGCCTCTTGGGCAGCTGGTACCATGCCTTCTACCTACAGCACCTCTTCTCTCA
 GTGGCCAGGGCCTGGCTGGGATCTTCGCTGCCCTTGTATGCTCACGTCCTTAGCCAGTGGCGTGGACCC
 CCAGACCTCTGCCCTTGGGTACTTCATCACACCCTGTGTGGGCATCCTCCTCTCCATCATATGTTACCTC
 AGTCTGCCCATCTGAAGTTTGGCCGTTACTACCTGACCAAGAAGCCTCAGGCCCAAGTTAGGAGCTGG
 AGACCAAAGCTGAGCTCCTCGGAGCTGATGAGAAGAATGGGATTCCTGTACGCCCCAGCAGGCAGGCC
 AACTCTGGATCTTGACCCAGAGAAGGAGCTGGAGCTGGGGCTGGAGGAACACAGAAGCCAGGAAAACCT
 TCGGTCTTTGTCGCTTCCGGAAGATCTGGCTGACGGCGCTGTGCCTTGTGTTGGTCTTACAGTCACCC
 TGTCCGCTCTTCTGCTATCACAGCCATGGTGACCACAGCTCCAATAGCCCCGGGAAGTGGAGTCAGTT
 CTTCAACCCTATCTGTTGCTTCTGCTCTTCAACGTCATGGATTGGCTGGGCCGGAGCCTGACTTCTAC
 TTCTGTGGCCAGATGAGGACAGCCAGCTGCTGCCCTGCTGGTGTGCCTGCGCTTCTGTTCTGTCGCC
 TCTTCATGCTGTGCATGTGCCAGCGTCCCGGCTGCCATCATCTTCTGGCAGGATGCCTACTTTCAT
 CACATTCATGCTGCTCTTCGCCATTTCCAACGGCTACTTCGTGTCTCTCACCATGTGTCTGGCACCCAGG
 CAGGTGCTGCCGATGAGAGGGAGTGGCCGGAGCCCTCATGACCTTCTTCTGGCCCTGGGACTCTCT
 GCGGAGCCTCTCTCTCTCTTCTTAAAGCTTTACTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR207295 representing NM_031738
 Red=Cloning site Green=Tags(s)

MAHGNAPRDSYHLVGISFFILGLTLLPWNFFITAIPYFQGRLAGTNSSAETPSTNHTSPTDTFNFNNWV
 TLLSQLPLLLFTLLNSFLYQCIPESVRILGSLLAIIILFFALTAALVKVDLSPGLFFSITMASVWFINSFC
 AVLQGSFLGQLGTMPTSTYTLFLSGQLAGIFAALAMLTSLASGVDPQTSALGYFITPCVGILLSIICYL
 SLPHLKFARYYLTKKPQAPVQLETKAELLGADEKNGIPVSPQQAGPTLDDLPEKELELGLLEEPQKPGKP
 SVFVFRKIWLALCLVLVFTVTLVFPVITAMVTTSSNSPGKWSQFFNPICCFLLFNVMDWLGRLTSY
 FLWPDEDSQLLPLLVLCLRFLVPLFMLCHVPQRARLPIIFWQDAYFITFMLLFAISNGYFVSLTMCLAPR
 QVLPHEREVAGALMTFFLALGLSCGASLSFLFKALL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja3674_b07.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_031738

ORF Size: 1368 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](#)

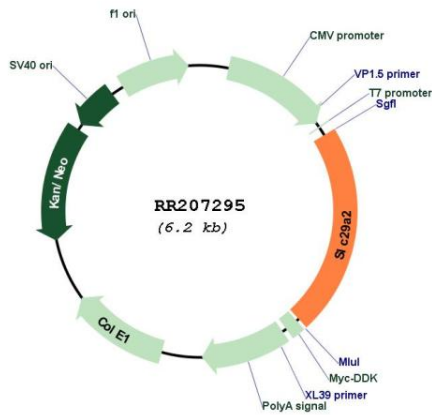
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_031738.1](#), [NP_113926.1](#)
 RefSeq Size: 1678 bp
 RefSeq ORF: 1371 bp
 Locus ID: 65194
 UniProt ID: [O54699](#)
 Cytogenetics: 1q43
 MW: 50.3 kDa
 Gene Summary: nucleoside transporter [RGD, Feb 2006]

Product images:



Circular map for RR207295