

Product datasheet for **RR208495**

Slc7a11 (NM_001107673) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc7a11 (NM_001107673) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc7a11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR208495 representing NM_001107673
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTCAGAAAGCCAGTTGTGGCCACCATCTCCAAAGGAGGTTACCTGCAGGGCAATGTGAGCGGGAGGC
 TCCCCTCCGTGGGGACCAAGAGCCACCTGGGCATGAGAAGGTGTTCTGAAAAAGAAGTCACTTTGCT
 GAGGGGGTCTCCATCATCATCGCACCGTCATCGGATCGGGCATCTTCATCTCCCCAAGGCATACTC
 CAGAACACGGGCAGCGTGGGCATGTCACTGGTGTCTGGTCTGCCTGTGGAGTACTGTCACTTTTTGGAG
 CCCTGTCTTATGCTGAATTGGGTACGAGCATAAAGAAATCTGGTGGTCATTACACATACATTCTGGAGGT
 CTTTGGTCCCTTGTAGCTTTTGTTCGAGTCTGGGTGAACTGCTGGTAATACGCCCGGAGCTACGGCT
 GTGATATCCCTGGCTTTTGGACGCTACATTCTAGAACCCTTTTTTATTCAATGTGAAATTCCTGAACCTG
 CAATCAAGCTTGTAAACAGCTGTGGGCATCACTGTGGTGTGGTTCTAAATAGCACGAGTGCAGCTGGAG
 TGCCCGGATCCAGATTTTCTAACCTTTTGAAGCTCACAGCAATTCTGATAATTATAGTCCCTGGAGTT
 ATACAGCTAATTAAGGGCAAACACATCACTTTAAAGATGCATTTTCAGGAAGAGATACAAATCTAATGG
 GTTGCCCTTGGCTTTTTATTACGGGATGTATGCATATGCTGGCTGGTTTTACCTCAACTTTATTACTGA
 AGAAGTAGACAACCCTGAAAAACCATCCCCCTTGAATCTGCATCTCTATGGCCATCATCACAGTTGGC
 TATGTCCTGACAAATGTGGCCTATTTTACAACCATTAGCGCCGAGGAGCTGTTGCAGTCCAGCGCTGTGG
 CGGTGACCTTCTCTGAGCGGCTGCTGGGAAAATCTCATTAGCAGTCCCAGTCTTTGTTGCCCTCTCCTG
 CTTCCGGCTCCATGAACGGTGGTGTGTTGTCTCCAGGTTATTCTATGTTGCATCTCGAGAAGGGCAC
 CTCTGACAATGATAATGCTCTTCTCCGGAGACCTCTACAGTCTTCTGAATTTCTCAGTTTTGCCAGGTG
 GCTTTTTATGGGCTGGCAGTCCGCGGGCTGATTTATCTTCGATACAAACGCCAGATATGCATCGTCCT
 TTCAAGGTGCCTCTGTTATCCAGCATTATTCTCCTTCACTGCCTCTTCATGTTGTCCTCTCCCTTT
 ACTCGGATCCGTTTAGCACCGGGTTGGCTTCTTATCACCTGACTGGGGTCCCGGCGTATTACCTCTT
 CATTGTATGGGACAAGAAACCAAGTGGTTCAGACGATTGTCAGACAGAATAACCAGAACATTACAGATT
 ATACTAGAAGTTGTACCAGAAGACTCTAAAGAATTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR208495 representing NM_001107673
 Red=Cloning site Green=Tags(s)

MVRKPVVATISKGGYLQGNVSGRLPSVGDQEPGHEKVVLLKKITLLRGVSIIGTVIGSGIFISPKGIL
 QNTGSVMSLVFWSACGVLSLFGALSYAELGTSIKKSGGHYTYILEVFGPLLAFFVRVWVVELLIVIRPGATA
 VISLAFGRYILEPFFIQCEIPELAIKLVAVGITVVMVLNSTSVSWSARIQIFLTFCKLTAILIIIVPGV
 IQLIKGQTHHFKDAFSGRDTNLMGLPLAFYYGMYAYAGWFYLNFIITEVDNPEKTIPLAICISMAIITVG
 YVLTNVAYFTTISAEELLQSSAVAVTFSERLLGKFSLAVPIFVALSCFGSMNGGVFAVSRLFVYASREGH
 LPEILSMIHVHKHTPLPAVIVLHPLTMIMLFSGDLYSLLNFLSFARWLFMGLAVAGLIYLRYPKRPDMHRP
 FKVPLFIPALFSFTCLFMVVLSLYSDPFSTGVGFLITLTGVPAYYLFIVWDKPKKWFRRLSDRITRTLQI
 ILEVVPEDSKEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001107673

ORF Size: 1506 bp

OTI Disclaimer: 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_001107673.2](#), [NP_001101143.2](#)

RefSeq Size: 8894 bp

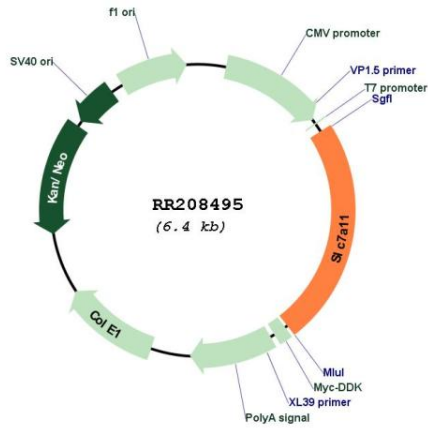
RefSeq ORF: 1509 bp

Locus ID: 310392

Cytogenetics: 2q26

MW: 55.4 kDa

Product images:



Circular map for RR208495