

Product datasheet for **RR204565**

Slc26a7 (NM_001106638) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc26a7 (NM_001106638) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc26a7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR204565 representing NM_001106638
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACGGGGCAAAGAGGAAAAAGAGAAGCGTGTGTGGGCAAGATGCACACCCCCACCGAGAAGACA
 TTAACAGTGGTGTAAAGAGGCGCTACCTATCTTGAATGGGCACCGCAGTACAATCTGAAGGAAAACCT
 GCTCCAGACACCGTGTCTGGCGTACTGTTGGCAGTTCACAGGTGACACAAGGGCTGCTCTTCGCTATT
 CTTTCATCTGTACACCCAGTTTTTGGTTTATACGGATCTCTGTTTCTGCCATCATTATGCGATATTTG
 GAATGGGACGCCATGTTGCCACAGGCACCTTTCCTTGACGTCTTGATATCAGCCAATGCTGTGGAACG
 GCTGGTCCCTCAGAGCAATAGAAACCTCACCACACAGAGCAACTCAAGCGTGTGGGCTTATCGGAGTTT
 GAGCTGCAGAGAATCGGGTTGCAGCAGCCGTTTATTCTTGGGCGGAGTGATTCAGATCTATGCGTATG
 TTTTGAACATCAAGTCTGTCCAGCTGGAAGCACTGCTTGTCTTGTGAGCATTGTTGCTCTTGT
 CCTCGTTAAAGAGCTGAACGAGCAGTTTAAAGAAAAGATTAAGTTGTTCTTCTGTGACTTAGTTTTG
 ATCATTGCTGCCTCATTTGCTTGTATTGTACCAACATGGAAAACACATACGGATTAGAAGTAGTTGGGC
 GCATCCAAAAGGGATCCCTCCGCCCGTGTCTCCCAATGAACATCCTCTCCGCACTGCTCACGGAAGC
 TTTGCGAGTTGCACTTGTAGGCTACGTGGCCTCGCTGGCTCTCGCACAAAGGATCTGCCAAGAAGTTCAA
 TATTCAGTTGATGACAACCAGGAATTTTGGCCATGGCCTCAGCAACGTGATTCCTTCAATTTCTTCT
 GCATCCAAAGCGCCGCCCATGGGAAGGACAGCTGGTCTGTACAGCACGGGGCAAAGACACAGGTGGC
 TTGTCTAATATCTGCATTTTTCGCTTATAGTCATCTATGCAATAGGACCCTTGTGTACTGGCTGCC
 AATACTGGAATGTGGATAAAAATCGATTGGGCATATGGATCAGCACTTACATTTTTACAATATGCTTCG
 TGCCAACGTGGGACTGCTCTTGGTGTCTGCAACATAGCTATCGTGTAGGGCGTTTTCCAAGGGCA
 AAGACTTTAAGCATAACAGACATGAAAGAAATGGAATTGAAGGTGAAGACAGAAACGTATGATGAAACT
 CGCAACAGATAAAAAATCATCTCAATAAACAACCCACTGTTTTCTGAATGCAAAGAAATTTAGTGCTGA
 TCTTATGAAAAAATCCTAAAGGAACTGACGGCAGCCAAGCACTTGTATGATGTCAGCAAGTGTGAACAG
 AACACCTTGCTCAGTCCCTGCCAACGGGAGCTGCACCTGAAGAAGCCTCCAGCCCTGCCCAAGTGA
 AGTATTCTTGGTCTGAATTGCAGTGGCTTACCTTTTTGACTACACAGGAGTCTCCACACTTGTGA
 GCTCTACCTTGATTGCAAGAGCAGGAGTGTGGATGTGTTCTTAGCCAAGTACAGCATCCTTGATAAAA
 GCGATGACATACTATGGAGACCTAGACTGAAAACCAATTTTTTTGACTCGGTAGCCACTGCAATAA
 GTGTCATCCAATCAAATAAGAATTTGAGCAAGGACACTGACCACAGTGAAGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR204565 representing NM_001106638
 Red=Cloning site Green=Tags(s)

MTGAKRKKRSVLWGKMHPTHREDIKQWCKRRLPILEWAPQYNLKENLLPDTVSGVLLAVQQVTQGLSFAI
 LSSVHPVFGLYGLFPAAIYAIIFGMGRHVATGTFALTSLSANAVERLVPQSNRNLTTQSNSSVLGLSEF
 ELQRIGVAAAVSFLGGVIQIYAYVFENIKSVQLEALLSLLSIVVLVLVKELNEQFKRKIKVVLVVDLVL
 IIAASFACYCTNMENTYGLEVVGRIPKIPPPRAPPMMILSAVLTEAFGVALVGYVASLALAQGSAKKFK
 YSVDDNQEFLAHGLSNVIPSFLFCIPSAAMGRTAGLYSTGAKTQVAQLISCFIVLVIYIYIAGPLLYWLP
 MCVLASIIVVGLKGMLIQFRDLKKYWNVDKIDWGIWISTYIFTICFAANVGLLFGVVCTIAIVLGRFPRA
 KTLISITDMKEMELKVKTETYDENSQQIKIISINNPLVFLNAKFSADLMKIILKETDGSQALDDVSKCEQ
 NTLSPPNGSCTEEASQPCPSEKYSVLNCSGLTFFDYTGVSSTLVELYLDCKSRSVDVFLANCTASLIK
 AMTYYGDLDEKPIFFDSVATAISVIQSNKLNLSKDTDHSEV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

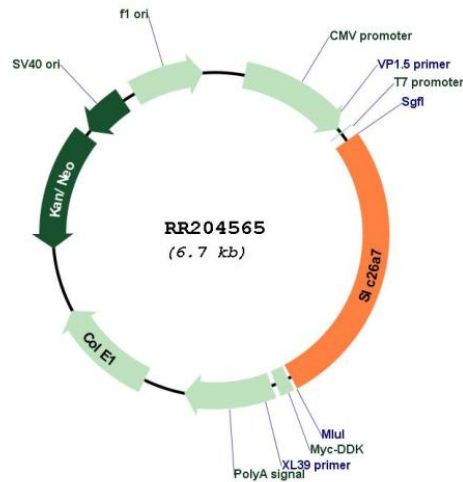
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:

NM_001106638

ORF Size:	1803 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:	<ol style="list-style-type: none">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_001106638.1 , NP_001100108.1
RefSeq Size:	2285 bp
RefSeq ORF:	1806 bp
Locus ID:	297910
Cytogenetics:	5q13
MW:	65.9 kDa