

Product datasheet for **RR213189**

Slc27a6 (NM_001106145) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc27a6 (NM_001106145) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc27a6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR213189 representing NM_001106145
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTTCTGTCATGGCTCACAGGATTTGGGGCTGGACTGCTCTCCCTCCACTTCGTGCAGAACTTCTGT
 TCCCGTACTTCTGGGATGACTTGTGGTTCTTGCTGAAGTTGGTGCGGTATGGAATTCAGATGGAGATATA
 CAAACTGAGGGGTGAGCTGGTCACGGTCTGGATAAGTTCCTGAGCCATGCCAGGAGGCAGCCAAAGAAA
 GCCTTCATCATCTATGAGGGGGATGTGTACACCTATGAGGATGTGGACAAGAGGAGCAACAGAGTAGCCC
 ACGCCCTCTGAACCACTCCGACCTGAAAAGGGGGACGTTGTAGCTTTGTTGATGAGTAACGAGCCCGA
 CTTGTTTCATGTGTGGTTTGGCCTGGCTAAGCTGGGCTGCGTGGTGGCCTTCTCAACTCCAACCTTCGC
 TTCGAGTCCCTCCTACATTGCATCCGTACCAGTGAACCCAAAGCCATGGTGGTGGCGAAGATTTGCTTG
 GAAGCCTAGAAGAAATCCTTCCAGCCTCCGAAACATATCAGGGTTTGGGAATGAAGGATTCTGTTCC
 AGAAGGTATAGTTTCACTCAAAGAAAAGCTGAGCCTTGCCTCTGATGAGCCAGTACCACCAAGCCATCAC
 GTCACCTCAAGCCTTAAGTCTACTTGCCTCTACATTTTTACCTCTGGAACAACAGGTCTACCCAAAGCAG
 CTGTGATTAGCCAGTCCAAGTGTGAAGGGATCTTTGGGCTATGGGCGTTTGGCTGTACAGCTGATGA
 CATTGTTTATATAACCTCCCTCTGTACCATAGCTCAGGGGCTCTCCTTGGAAATGGTGGATGTGTTGAG
 TTGGGTGCCACGTGTGTGCTAAAGAAGAAATCTCTGCGAGCCAGTTTGGAAATGATTGCAGGAAGTACA
 ACGTGACTGTGTTTTCAGTACATCGGGGAGCTTTGCCGTTATCTGTGTAACAACCTCAGAGAGAAGGGGA
 AAAGGACCATCGGGTGCCTTTGGCAGTTGGAACGGTATGAGTAGTGATGTGTGGAGACAATTTTATAGC
 AGATTTGGAACATTAAGATGTGTGAATTTACGGAGCTACCGAAGGAAACATATGTTTCATGAACCACA
 CTGGGAAGATTGGATCTGTGCGGAGAGTGAACCTCTTCTACAATCTTCTTTCTCCTTTGAGTTGATAAA
 GTATGACTTTTCAGAAGGATGAACCATGAGGAACGAACAAGGCTGGTGTACTGTGTGAGAAAAGGAGAA
 CCTGGTCTCCTTGTTCCTGTGAACAAGAATCCTTTCTTTGGCTATACTGGCTCATACAAGCAAA
 CGAAAAGCAAGTTGCTTTTTGATGTTTTAAGAAGGGGGATGTTACTTCAACACAGGAGACCTAATGTT
 CCAAGATCATGAGAACTTCTTTATTTTTGGGACCGTATTGGAGACACTTTCAGGTGAAAAGGAGAAAAT
 GTCGCAACCACAGAGGTGGCCAATGTGCTTGGAAAGTTGGACTTTATACAGGAAGCAAACGTGTACGGTG
 TGCCCGTGCCAGGTTATGAAGGAAAAGCTGGAATGACTTCCATTATCTAAAACCAAACAAGTCTTTAGA
 CTTAGAAAAAATGTATGACCAAGTGGTACATCACTACCAGCTTATGCCTGCCACGGTTTCTAAGAATT
 CAGGACAAAATGGAGACAACAGGGACATTAAGCTAAAGAAGTTGCAGCTGGTGGAGAAGGATTTAATC
 CGCTGAAGATTGCTGACCACTTTACTTTATGGATAACTGAAGAATCTTATGTTCCATTGACCCAAGA
 GATTTATAATCAGGTAATGTTAGAGGAGCTTAAGCTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR213189 representing NM_001106145
 Red=Cloning site Green=Tags(s)

MLLSWL TGFAGLLSLHFVQKLLFPYFWDLLWFLKLVRYGIQMEIYKLRGELVTVLDFKFLSHARRQPKK
 AFIIYEGDVYTYEDVDKRSNRVAHALLNHSCLKRGDVALLMNSNEPDFVHVWFGLAKLGCVVAFLLNSNLR
 FESLLHCIRTSEPKAMVVGEDLLGSLEEILPSLPKHIRVWGMKDSVPEGIVSLKEKLSLASDEPVPPSHH
 VTSCLKSTCLYIFTSGTTGLPKAAVISQFQVLKGSFGLWAFGCTADDIVYITLPL YHSSGALLGIGGCVE
 LGATCVLKKKFSASQFWNDCRKYNVTVFYQYIGELCRYLCKQPQREGEKDRVRLAVGNMSSDVWRQFLD
 RFGNIKMCIFYGATEGNICFMNHTGKIGSVGRVNFYNNLFSFELIKYDFQKDEPLRNEQGWYCVCVRKGE
 PGLLVSRVNKNPFFGYTGSYKQTKSKLLFDVFKKGDVVFNTGDLMFQDHENFLYFWDRIQDTRFWKGEN
 VATTEVANVLRDLFIQEANVYGPVPGYEGKAGMTSIILKPNKSLDLEKMYDQVVTSLPAYACPRFLRI
 QDKMETTGTFLKLLQLVEEGFNPLKIADPLYFMDNLKKSIVVPLTQEIYNQVMLEELKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

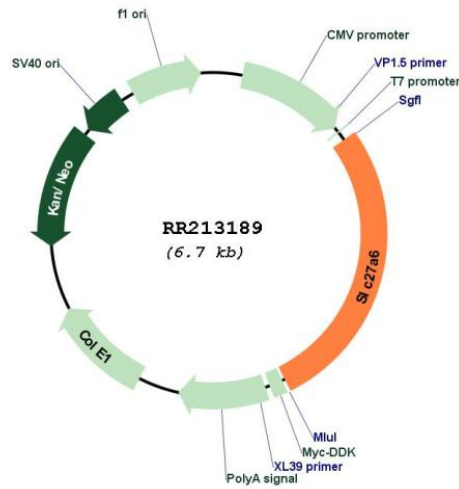
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001106145

ORF Size: 1857 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_001106145.1 , NP_001099615.1
RefSeq Size:	2603 bp
RefSeq ORF:	1860 bp
Locus ID:	291582
Cytogenetics:	18q12.1
MW:	70.6 kDa