

Product datasheet for **RR201962**

Slc35f6 (NM_001017451) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc35f6 (NM_001017451) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Slc35f6
Synonyms: ANT2BP; RGD1309228
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR201962 representing NM_001017451
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCTGGACAAAGTACCAGTTGTTCTGGCCGGGCTCATGCTGGTCACCGGCTCCATCAACACGCTTT
CAGCAAAGTGGGCGGACAACCTCGAAGCTGAGGGCTGTGGAGGAAGCCAGGAGCACAGCTCAAGCATCC
CTTCGTCAGGCAGTGGGCATGTTCTGGGAGAGTTCTCGTGCCTTGCTGCCTTCTACCTGCTCAAATGC
CGAGCCAGAAGACAATCAGACTCCAGTGTAGAGCCCCGGCAGCCCTTCAACGCCCTACTTTCTCGCCCC
CAGCCCTATGTGACATGACTGGGACTAGCATCATGTATGTGGCCCTGAACATGACCAAGTGCCTCAAGCTT
CCAGATGCTGCGGGGTGCAGTGATCATCTTACAGGCCTGTTCTCAGTGGCCTTCTGGACCGGAGGCTG
GTACCAAGCCAGTGGCTGGGCATCCTGATCACTATTGCGGGACTGGTGGTCGTTGGCCTGGCTGACCTCC
TGAGCAAGCATGACAGTCAACACAAGCTCAGTGAAGTAATCACAGGTGACTTGTGATCATCATGGCCCA
GATCATCATTGCCATCCAGATGGTGCTAGAGGAGAAGTTGTCTACAAACACAACATCCACCCACTCCAG
GCAGTGGGCATCGAGGGCTTCTTCGGCTTTGTGATCCTCTCCCTACTGCTGGTGCCCATGTAATACATCC
CCACTGCCTCCTTAGTGGCAACCCTCGTGGGGTGTGGAAGACGCTCTGGATGCCTTCTGCCAGGTGGG
CCGGCAGCCCCTGATCGCCCTGGCTCTGCTGGGTAAACATCAGCAGCATTGCCTTCTCAACTTTTTCGGGG
ATCAGTGTACCAAGGAAGTGTGACCAACCCGCATGGTACTAGACACCCTGCGCACCCGTGGTATCT
GGGCCTTACCCTCGCACTGGGCTGGGAGGTCTTCCATCCACTGCAGATCCTTGGTTTCTCATCTCCT
TATGGGCACCGCCCTGTACAACGGGCTGCACCGACCCTGCTAGCCTGCCTGTCCAGACGCTGGCGACAC
CCTACCCAGGAGGAGCAAGAGAGACTGCTGGGTGACAGCCGGACTCCCATCAATGAGACCAGCCCTA
CCCAGGAGGGAGCAAGAGAGACTGCTGGGTGACAGCCGGACTCCCATCAATGAGACCAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR201962 representing NM_001017451
 Red=Cloning site Green=Tags(s)

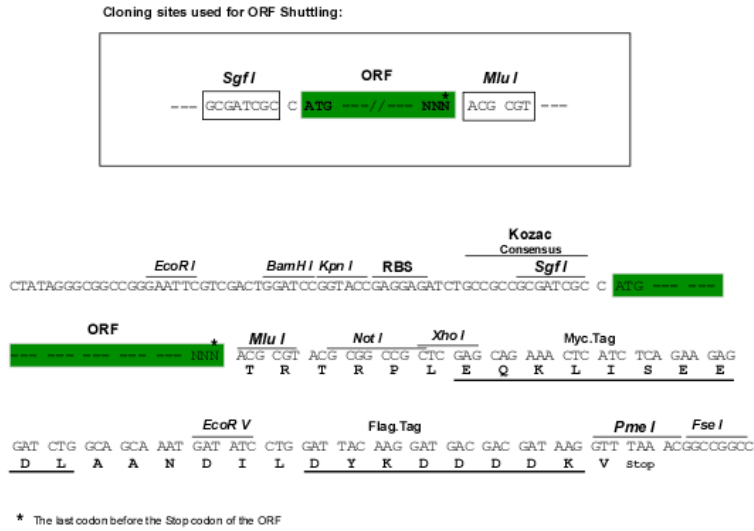
MAWTKYQLFLAGLMLVTGSINTLSAKWADNFEAEGCGGSQEHFSFKHPFVQAVGMFLGEFSCLAAYLLKC
 RARRQSDSSVEPRQPFNALLFLPPALCDMTGTSIMYVALNMTSASSFQMLRGAVIIFTGLFSVAFDRRL
 VPSQWLGIITIAGLVVGLADLLSKHDSQHKLSEVITGDLLIIMAIQIIAIQMVLEEKFVYKHNHPLQ
 AVGIEGFFGFVILSLLLVPYYIPTASFSGNPRGVLEDALDAFCQVGRQPLIALALLGNISSIAFFNFSG
 ISVTKELSATTRMVLDTLRTVVIIWAFTLALGWVVFHPLQILGFLILLMGTALYNGLHRPLLACLSRWRH
 PTQEGEQERLLGDSRTPINETSPTQEGEQERLLGDSRTPINETS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

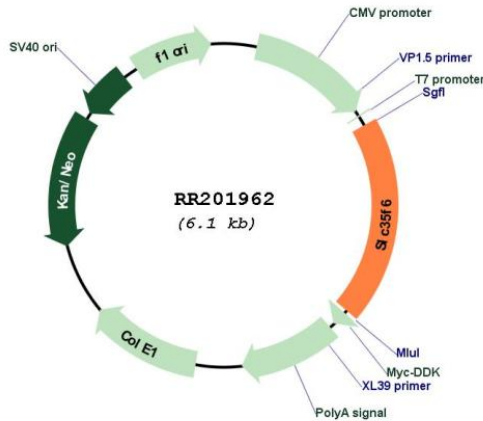
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001017451

ORF Size:	1116 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 Size:	2959 bp
RefSeq ORF:	1119 bp
Locus ID:	298851
UniProt ID:	Q5RKH7
Cytogenetics:	6q14
MW:	41.1 kDa
Gene Summary:	Involved in the maintenance of mitochondrial membrane potential in pancreatic ductal adenocarcinoma (PDAC) cells. Promotes pancreatic ductal adenocarcinoma (PDAC) cell growth. May play a role as a nucleotide-sugar transporter (By similarity).[UniProtKB/Swiss-Prot Function]