

Product datasheet for **MR205734**

Slc35f6 (NM_175675) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc35f6 (NM_175675) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc35f6
Synonyms:	4930471M23Rik; 5730478O19Rik; ANT2BP; P40; Tango9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205734 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCTGGACTAAGTACCAGTTGTTCTGGCCGGCTTATGCTGGTCACCGGCTCCATCAACACGCTTT
CGGCAAAGTGGGCCGACAACCTTTGTAGCTGAGGGCTGTGGAGGAAGCCAGGAGCACAGCTTCAAGCATCC
CTTCGTCAGGCAGTGGGCATGTTCTGGGAGAGTTCTCCTGCCTTGCTGCCTTCTACCTGCTCAAATGC
CAAGGCAGAAGACAGTCAGCCTCCAGTGTAGAGCCCCAGCAGCCCTTCAACACCCTGCTTTTCTGCCCC
CAGCCCTGTGTGACATGACTGGGACCAGCATCATGTACGTGGCCCTGAACATGACCAGTGCCTCAAGCTT
TCAGATGCTGCGGGTGCAGTGATCATCTTACAGGCCTGTTCTCAGTGGCCTTCCCTGGACCGGAGGCTG
GCACCAAGCCAGTGGCTGGGCATCCTGATCACTATTGCGGGACTGGTGGTAGTTGGCCTAGCTGACCTCC
TGAGCAAGCATGACAGTCAACACAAGCTCAGTGAAGTCATCACAGGTGACTTGTGATCATCATGGCCCA
GATCATCATTGCCATCCAGATGGTGCTAGAGGAGAAGTTGTCTACAAACACAACATCCACCCACTCCAG
GCAGTAGGCATCGAGGGCTTCTTCGGCTTCGTGATCCTCTCGCTGCTCCTTGTGCCTATGTTCTACATCC
CCACGGCTCCTTTAGTGGGAACCCTCGCGGGTGTGGAAGACGCGCTGGATGCCTTCTGCCAAGTGGG
CCGACAGCCCTGATTGCCCTGGCTCTGCTAGGCAACATCAGCAGCATTGCCTTCTCAACTTTTCGGGC
ATCAGCCTCACCAAGGAAGTGCACACCACCCGCATGGTGTAGACACCCTGGCACCATAGTCATCT
GGGCCTTTACCCTCGCACTGGGCTGGGAGATCTTCTATCCATTGCAGATCCTTGGTTTCTCATCCTCCT
TATGGGCACCGCCCTCTACAATGGGCTGCACCCACCCTGCTAGCCTTCTGTCCAGACGCTGGCGACTC
CCTACCCAGGAGGGAGAGCAAGAGAGACTGCTAGGTGACAGTCGGACTCCCATCAATGAAGCCAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205734 protein sequence
Red=Cloning site Green=Tags(s)

MAWTKYQLFLAGLMLVTGSINTLSAKWADNFVAEGCGGSQEHFSKHPFVQAVGMFLGEFSCLAIFYLLKC
 QGRRQSASSVEPQQPFNTLLFLPPALCDMTGTSIMYVALNMTSASSFQMLRGAVIIFTGLFSVAFLDLRR
 APSQWLGIITIAGLVVGLADLLSKHDSQHKLSEVITGDLLIIMAIQIIAIQVMLEEKFYVYKHNIHPLQ
 AVGIEGFFGFVILSLLLVPFYIPTASFSGNPRGVLEDALDAFCQVGRQPLIALALLGNISSIAFFNFSG
 ISVTKELSATRMVLDLTLRTIVIWAFTLALGWEIFYPLQILGFLILLMGTALYNGLHRPLLAFLSRRWRL
 PTQEGEQERLLGDSRTPINEAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_175675

ORF Size: 1119 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_175675.3](#)

RefSeq Size: 3082 bp

RefSeq ORF: 1119 bp

Locus ID: 74919

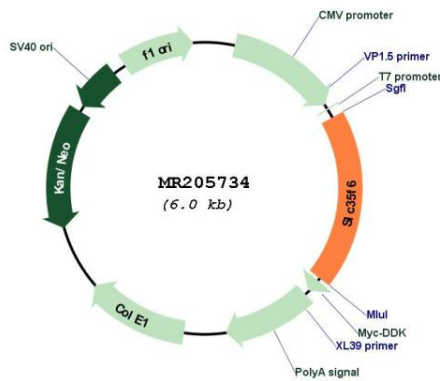
UniProt ID: [Q8VE96](#)

Cytogenetics: 5 B1

MW: 41 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]

Product images:



Circular map for MR205734