

Product datasheet for **RR217033**

Slc27a4 (NM_001100706) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc27a4 (NM_001100706) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc27a4
Synonyms:	Fatp4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RR217033 representing NM_001100706
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGCTTGAGCATCTCTGGTGGGGCGCTGCTGTTCTCCAAGCTGGTGTGAAGCTACCTGGACCC
 AGGTGGGATTCTCCTTGTGCTCCTGTACTTGGGGTCTGGTGGCTGGCGTTTCATCCGGGTCTTCATCAA
 GACGGTCAGGAGAGATGTCTTCGGCGGCATGGTGTCTCTGAAGGTGAAGACCAAGTCCGACGGTACCTT
 CAGGAGCGGAAGACAGTGCCTTGTGTTGCCTCAGTGGTTCGGCGCCACCCCGACAAGACAGCCCTGA
 TTTTCGAGGGCACGAATACTCACTGGACCTTCGCCAGCTGGATGACTACTCCAGCAGTGTGCCAACTT
 CCTGCAGGCCCGGGCCTGGTCTCAGGCAATGTAGTTGCTCTCTTTATGGAAAACCGTAACGAGTTTGTG
 GGTCTGTGGCTAGGCATGGCCAAGCTGGGCGTGGAGGCGGCACCTCATCAACACCAACCTTAGCGGGATG
 CCCTGCGCCACTGCCTTGACACCTCAAAGGCACGAGCCCTCATCTTTGGCAGCGAGATGGCCTCAGCTGT
 CTATGAGATCCAGGCTATCCTGGACCCCACTCACCTCTTCTGCTCTGGTTCTGGGAGCCAGCACC
 GTGCCTGCCAACACAGAGCATCTGGACCTCTGCTGGAAGATGCCCGAAGCACCTGCCAGCATCCAG
 ACAAGGGTTTTACAGATAAGCTCTTCTATATCTACACGTCGGGCACCACGGGGCTACCCAAAGCTGCCAT
 TGTGGTGCACAGCAGGATTACCGAATGGCTGCCCTGGTGTACTATGGATTCCGCATGCGGCCTGATGAC
 ATTGTCTATGACTGCCTCCCCCTCTACCACTCAGCAGGAAACATTGTGGGGATTGGCCAGTGCCTACTCC
 ACGGCATGACTGTGGTATCCGGAAGAAGTTTTACGCCTCCCGTTCTGGGATGACTGTATCAAGTACAA
 CTGCACAATTGTACAGTACATTGGTGTGCTTTGCCGCTACCTCCTGAACCAGCCACCCCGTGAGGCTGAG
 TCTCGGCACAAGGTGCGCATGGCACTGGCAACGGTCTCCGGCAGTCCATCTGGACCGACTTCTCCAGCC
 GTTTCCACATTTCCCAAGTGGCCGAGTTCTACGGGGCCACCGAGTGAACCTGTAGCTTGGCAACTTTGA
 CAGCCAGGTGGGGCCTGTGGCTTCAATAGCCGCATCCTGTCTTTGTGTACCCCATCCGCTTGGTACGA
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 CAGGCCAGCTGGTGGTGCATCATCCAGCAGGACCCCTACGCCGTTTTGATGGCTACCTCAACCAGGG
 TGCCAACAACAAGAAGATTGCTAGTGTGTCTTCAAGAAAGGGACCAAGCCTACCTCACTGGTGTGCTG
 CTGGTGTGGATGAGCTGGGCTACCTGTACTTCCGAGACCGCACAGGGGACACGTTCCGCTGAAAAGGGG
 AGAATGTGTCTACCACTGAAGTGGAGGGCACACTCAGCCGCTGCTTCCAGATGGCAGATGTGGCTGTTTA
 TGGTGTGAGGTGCCAGGAGCTGAGGGCCGAGCAGGAATGGCTGCTGTGGCAAGCCCACTAGCAACTGT
 GACCTGGAGAGCTTGCACAGACCTTAAAAAGGAGCTGCCCTGTACGCCCGCCCATCTTCTCCGCT
 TCTTGCCTGAGCTGCACAAAACAGGAACCTTCAAGTTCAGAAGACAGAGTTGCGGAAGGAGGGCTTTGA
 CCCGTCTGTTGTGAAAGACCCACTCTTCTATTTGGATGCCCGGACAGGCTGCTATGTTGACTGGACCAA
 GAGGCCTATACCCGCATCCAGGCAGGCGAGGAGAAGCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR217033 representing NM_001100706
 Red=Cloning site Green=Tags(s)

MLLGASLVGALLFSKLVLKLPTVQVGFLLLLYLGGSGWRFIRVFIKTVRRDVFVGGMVLKVKTKVRRYL
 QERKTVPLLFASVVRHPDKTALIFEGTNTHWTFRQLDDYSSSVANFLQARGLVSGNVVALFMENRNEFV
 GLWLGMAKLGVEAALINTNLRDALRHCLDTSKARALIFGSEMASAVYEIQAILDPTLTLFCSGSWEPT
 VPANTEHLDPLEADAPKHLPSIPDKGFTDKLFYIYTSGTTGLPKAAIVVHSRYRMAALVYGFMRPDD
 IVYDCLPLYHSAGNIVGIGQCVLHGMTVVIRKFSASRFWDDCIKYNCTIVQYIGELCRYLLNQPPREAE
 SRHKVRMALGNLRQSIWTFSSRFHIPQVAEFYGATECNCSLGNFDSQVGCAGFNSRILSFVYPIRLVR
 VNEDTMELIRGPDGVCIPCQPGQPGQLVGRIIQQDPLRRFDGYLNQGANNKIASDVFKGDQAYLTGDV
 LVMDELGYLYFRDRTGDTFRWKGENVSTTEVEGTL SRRLLQMAADVAVYGVEVPGAEGRAGMAAVASPTSNC
 DLESFAQTLKKELPLYARPIFLRFLPELHKTGTFKFQKTELKKEGFDPSVVKDPLFYLDARTGCYVALDQ
 EAYTRIQAGEEKL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001100706

ORF Size: 1929 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_001100706.1](#), [NP_001094176.1](#)

RefSeq Size: 3067 bp

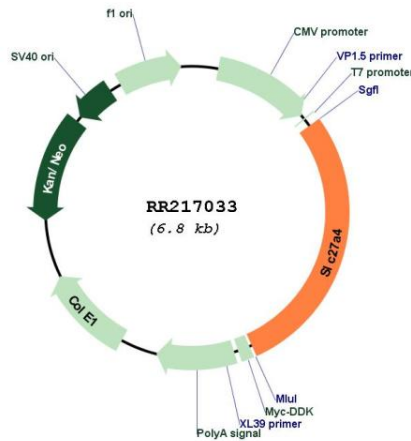
RefSeq ORF: 1932 bp

Locus ID: 311839

Cytogenetics: 3p12

MW: 72.2 kDa

Product images:



Circular map for RR217033