

Product datasheet for **RR211012**

Slc25a33 (NM_001127574) Rat Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Slc25a33 (NM_001127574) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Slc25a33 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |
| ORF Nucleotide Sequence: | >RR211012 representing NM_001127574 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCGACGGACACTCAGCAGAAGGAGAACACGCTGCTTCATCTCTTCGCCGGGGTGTGGAGGTACAG
TTGGTGTATTTTCACATGTCCACTAGAAGTCATTAAGACGAGACTGCAGTCTTCGAGACTAGCTCTTCG
GACGGTGTATTATCCTCAGGTTTCATCTGGGGACCATTAGTGGAGCTGGAATGGTGAGACCAACGTCTGTG
ACGCCTGGACTCCTACAGGTTCTGAAATCGATCCTGGAAGGAGGGACCAAGTCACTCTTAGAGGCT
TGGGTCCAAACTTGTTGGAGTTGCGCCATCCAGGCTGTGTACTTCGCGTGCTACTCCAAGCCAAAGA
GCAGTTCAATGGCATCTTCGTGCCTGATAGCAACTGTGCACATTTCTCAGCTGGCTCTGCAGCTTTT
GTCACAAATACCTTAATGAATCCTATTTGGATGGTTAAAACGAGGATGCAGCTAGAACGAAAGATGAGAG
GCTGCAAGCAGATGAATACCCTCAGTGTGCTCGGCACGTGTACCAGACAGAAGGCATCCGTGGCTTCTA
CAGAGGGCTGACCGCCTCCTATGCTGGCATCTCAGAGACAATCATCTGCTTTGCTCTCTATGAGAGTTTA
AAGAAGTGCTTAAAGAAGCCCCGATAGTCTCCTCCACGGACGGAACGGAGAAAAGTTCCCAACTTCT
TTGGACTGATGGCGGCTGCTGCTTTCTAAGGGGTGCGCCTCCTGCATTGCTTACCCGACGAGGTCAT
CAGGACACGGCTCCGGAAGAAGGCAGCAAGTACACGTCATTTCATGCAGACAGCAGCCTGGTATCCGG
GAGGAAGGCTATCTCGCCTTCTACCGAGGACTTTTGGCTCAGCTCATCCGGCAGATCCCCAATACTGCCA
TTGTCCTGTCCACCTACGAGTTCATCGTGTACCTGCTGGGAGAGCGCGCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR211012 representing NM_001127574
Red=Cloning site Green=Tags(s)

MATDTQQKENTLLHLFAGGCGGTVGAIFTCPLEVIKTRLQSSRLALRTVYYPQVHLGTISGAGMVRPTSV
 TPGLLQVLKSILEKEGPKSLFRGLGNLVGVAPSRVYFACYSKAKEQFNGIFVPDSNTVHIFSAGSAAF
 VTNTLMNPIWMVKTRMQLERKMRGCKQMNLTQCARHVVYQTEGIRGFYRGLTASYAGISETIICFALYESL
 KKCLKEAPIVSSTDGTEKSSSNFFGLMAAAVSKGCASCIAYPHEVIRTRLREEGSKYTSFMQTARLVFR
 EEGYLAFYRGLFAQLIRQIPNTAIVLSTYEFIVYLLGERA

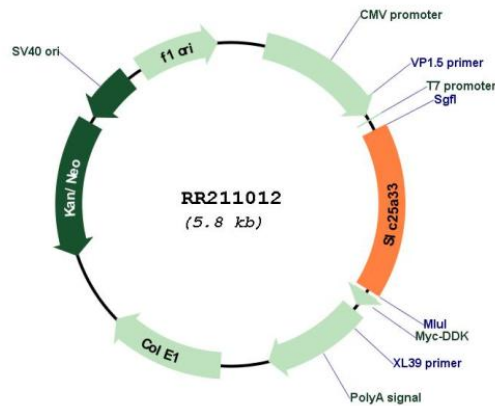
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001127574

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|-------------------------------|---|
| ORF Size: | 960 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_001127574.1 , NP_001121046.1 |
| RefSeq Size: | 1416 bp |
| RefSeq ORF: | 963 bp |
| Locus ID: | 691431 |
| Cytogenetics: | 5q36 |
| MW: | 35.3 kDa |