

Product datasheet for **RR211244**

Slc25a23 (NM_001106873) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc25a23 (NM_001106873) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc25a23
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR211244 representing NM_001106873
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATCGGGGGGGCTCAGGCGACGGAGCGCGGCAGCGCTGGGGTGCCTGTTTCAGGAAGTACAGCA
 ACAAGGACGGCCGCTGGACGTGCACGAGTTGCCCGAGGGCTGGCTAGGCTGGGAAGGGGCGATCCGGA
 CCGTGCACAGCAGGGCATCTCCTCTGACTGGGACAGTGCAGATGGCGGCCTCAGCCTGGAGGAGTTT
 ACTCAGTACCTGCAGGAACGGGAGCAGCGCCTTCTGCTCATGTTTCACAGCCTTGACCGGAACCAGGATG
 GTCACATCGATGTCTCTGAGATTGAGCAGAGCTCCGTGCACTGGGTTTCTCCATCTCAATGGAGCAAGC
 AGAGAAAATCCTACACAGCATGGACCGTGCACCATGACCATTGATTGGCAGGAATGGCGAGACCAC
 TTTCTGCTGCACTCTCTGGAGAATGTGGAGGATGCTTTATTTCTGGAAGCATTCAACAGTCTGGACA
 TTGGTGAATGCCTAACGGTGCCTGATGAGTTCTCAAGCAAGAGAACTTACAGGCATGTGGTGAAGCA
 ACTGGTGGCCGGTGCAGTGGCTGGCGTGTGTCACGGACAGGCACAGCTCCTCTGGACCGACTCAAGGTA
 TTCATGCAGGTCCATGCCTCAAAGTCAAACCGGCTCAACATCCTAGGGGGCTGAGAAAATGTTTCAAG
 AAGGGGGCCTCTTGCCCTCTGGCGGGCAACGGCATCAACGTGCTCAAGATCGCCCTGAGTCTGCCAT
 TAAATTCATGGCTTATGAACAGATCAAGCGGGCCATCTGCGGGCAGCAAGAGACTGCACGTTCAAGGAG
 CGCTTCGTGGCTGGCTCCCTGGCCGGGGCCACAGCTCAAACCATCATATACCCCATGGAGGTAATAAGA
 CTCGGCTGACTCTACGCAGAAGTGGCCAGTACAAGGGGCTCCTGGACTGTGCAAGGCGAATCTTAGAGCG
 TGAAGGGCCACGCGCCTTCTACCGTGGCTACCTGCCTAATGTGCTGGGCATCATTCCCTATGCAGGAATC
 GACCTAGCTGTCTACGAGACCTGAAGAATCGCTGGCTTACAGCAGTACAGCCACGAATCAGTAACCCAG
 GCATTCTTGCTCCTGGCCTGTGGCACCATCTCCAGCACCTGTGGCCAGATTGCCAGTTACCCCTGGC
 ACTGGTCCGTACCGAATGCAGGCCAAGCCTCCATTGAGGGTGGCCCGCAGGTCTCCATGGTGGGTCTG
 CTTGACACATCTATCCAGGAGGGTGTATGGGGCCTCTACCGGGCATTGCCCAACTTCATGAAGG
 TCATTCCAGTGTGAGCATCTCTACGTGGTCTACGAGAATGAAGCAGGCTCTGGGGTACATCCAG
 G

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR211244 representing NM_001106873
 Red=Cloning site Green=Tags(s)

MRGGSGDAERRQRWGRLEELDSNKDGRVDVHELRLQGLARLGRGDPDRAQQGISSDWDSDADGGLSLEEF
 TQYLQEREQRLLMFHSLDRNQDGHIDVSEIQQSFRALGFSISMEQAEEKILHSMRDGTMIDWQEWDRD
 FLLHSLNVEDVLYFWKHSTVLDIGECLTVPDEFKQEKLTGMWWKQLVAGAVAGAVSRTGTAPLDRLKV
 FMQVHASKSNRLNILGGLRNMVQEGGLLSLWRNGINVLKIAPESAIKFMAYEQIKRAICGQETLHVQE
 RFVAGSLAGATAQTIIYPMEVLKTRLTLRRTGQYKGLLDCARRILEREGPRAFYRGYLPNVLGIIIPYAGI
 DLAVYETLKNRWLQQYSHESANPGILVLLACGTISSTCGQIASYPLALVTRMQAQASIEGGPQVSMVGL
 LRHILSQEGVWGLYRGIAPNFMKVIPAVSISYVVYENMKQALGVTSR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

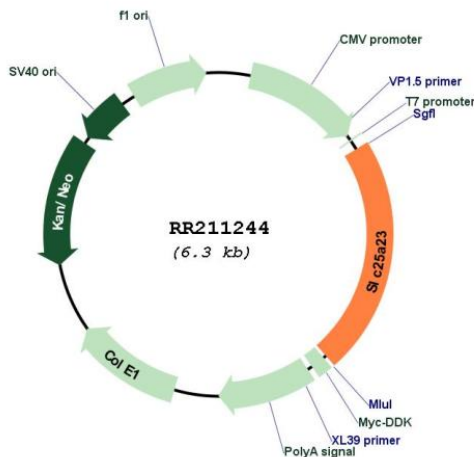
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001106873

ORF Size: 1401 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_001106873.2](#), [NP_001100343.1](#)

RefSeq Size: 1404 bp

RefSeq ORF: 1404 bp

Locus ID: 301113

Cytogenetics: 9q12

MW: 52.5 kDa