

## Product datasheet for **RR204423**

### Slc30a6 (NM\_001106708) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: Slc30a6 (NM\_001106708) Rat Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Slc30a6  
Mammalian Cell Selection: Neomycin  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
ORF Nucleotide Sequence: >RR204423 representing NM\_001106708  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGACGATTCATCTCTTTGAAAGCCACAGAGATCCTTTTTGGAAAGTTACTACAGGAATTTAGAC  
TCGTAGCAGCTGACCGAAGGTCCTGGAAGATACTCTTTTTGGTGCCATCAACGTGCTGTGCACTGGCTT  
CCTGCTCATGTGGTGCAGCTCTACTAACAGCATCGCTTAACTGCTTATACTTACCTCACCATTTTTGAT  
CTCTTTAGTTTAATTACATGTTTAATAAGCTACTGGGTGATGATGAGGAGACCTAGCGCTGCCTATTCGT  
TTGGGTTTGAAGACTAGAAGTCTGGCTGATTTGCTTCTACTGTCTTGGCACAATTGGGAGCCCTCTT  
TATACTAAAAGAAAGTGCAGAACGCTTTTTGGAGCAGCCTGAGATACACACGGGAAGATTATTAGTTGGT  
ACTTTTGTGGCCCTTTCTTTCAACCTGTTACGATGCTTTCTATTTCGGAATAAGCCTTTTGTCTACGTCT  
CTGAAGCTGCAAGTACGAGCTGGCTTCAAGAGCATGTGGCAGACCTTAGTCGCAGCTTGTGCGGCATTAT  
CCCAGGACTCAGCAGTATCTTCTTGCCCCGCATGAACCCGTTTGTCTGATCGATCTTGTGGGGCGCTT  
GCTCTGTGATAACATACATGCTGATTGAAATTAACAACACCACCTCATGTTATTGGTCAGTTGGATAA  
AC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR204423 representing NM\_001106708  
 Red=Cloning site Green=Tags(s)

MGTIHLFRKPQRSFFGKLLQEFRLVAADRRSWKILLFGAINVLCTGFLLMWCSTNSIALTAYTYLTIFD  
 LFSLITCLISYWMMRRPSAAYSFGFERLEVLAVFASTVLAQLGALFILKESAERFLEQPEIHTGRLLVG  
 TFVALSFNLFMTLSIRNKPFAYVSEAASTSWLQEHVADLSRSLCGIIPGLSSIFLPRMNPFLIDLALGAL  
 ALCITYMLIEIKQHLLMLLVSWIN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001106708

**ORF Size:** 702 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\_001106708.1, NP\_001100178.1

**RefSeq Size:** 2023 bp

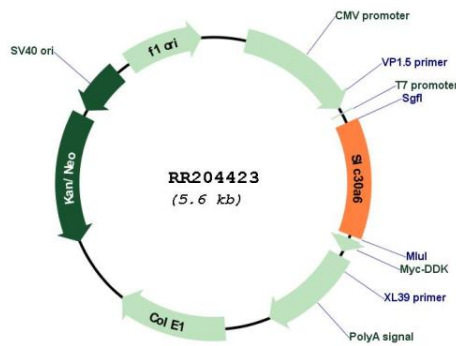
**RefSeq ORF:** 705 bp

**Locus ID:** 298786

**Cytogenetics:** 6q13

**MW:** 26.5 kDa

**Product images:**



Circular map for RR204423