

## Product datasheet for **RR207081**

### Slc25a44 (NM\_001108947) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Slc25a44 (NM\_001108947) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Slc25a44  
**Synonyms:** RGD1307244  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR207081 representing NM\_001108947  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCGAGGGGCATGCCGAGGACCCTGAATTGGCAGTGAAGAGCCAGACAGAAGGTCTCCGGCAACA  
TGGAGGGCAAGCGAACATTCAGATCATCGAGTGGGAGCACCTGGACAAGAAGAAGTTCTACGTGTTCCG  
TGTGGCTATGACAATGATGATCAGGGTCAGCGTGTACCCGTTACCCCTCATCCGCACCCGCTGCAGGTC  
CAGAAGGGCAAGAGCCTCTACCATGGGACCTTTGATGCCTTTGTCAAAATCCTTCGAGCAGATGGAGTGA  
CTGGCCTCTACCGGGATTCTCTGGTGAACACCTTCACACTCATCTCTGGCCAGTGCATGTTACCACTTA  
CGAGCTTACCCGAAATTTGTAGCTGACTACAGCCAGAGTAACACAGTCAAATCACTGGTAGCCGGTGGC  
TCAGCCTCCCTCGTGGCCAGAGCATCACGGTGCCATTGATGTTGTCTCCAGCATCTGATGATGCAGC  
GCAAGGGTGAGAAAATGGGTCGGTTCCAAGTGCCTGGGAACCTAGAGGGACAAGGGCTGATTGCCTTTGG  
CCAAACTAAAGACATCATCAGGCAGATCCTGCGGGCTGATGGGCTTCGAGGCTTCTACCGGGCTATGTG  
GCCTCACTGCTAACGTATATCCCAAACAGCGCGTTTGGTGGCCCTTTTACCACTTCTATGCAGAGCAGC  
TGTCGCGCCTGTGCCCTCAGGAGTGCCCTCACATTGTCTTTCAAGCCATCTCTGGGCCCTTGCTGCAGC  
CACTGCCTCCGTCTCACCATCCCATGGATGTCATCAGAACCCTGTGCAGGTTGAAGGCAAGAGCTCC  
ATCATCTGACCTTCAGACAGCTGATGGCGGAAGAGGGCCCTTGGGGCCTCATGAAGGGCCTCTCAGCCC  
GAATCATCTCGGCTACCCCTCCACCATCGTCATCGTGGTGGGCTACGAGAGCCTCAAGAACTCAGCCT  
GCGACCCGAGCTGGTGGACTCAAGACTGG

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR207081 representing NM\_001108947  
Red=Cloning site Green=Tags(s)

MARGMPEDPELAVQEPDRRSPGNMEGKRNIQIIWEHLDKKKFYVFGVAMTMMIRVSVYPFTLIRTRLQV  
 QK GKSL YHGTFDAFVKILRADGVTGLYRGFLVNTFTLISGQCYVTTYELTRKFVADYSQSNVKS LVAGG  
 SASLVAQSITVPI DVVSQHLMMQRKGEKMGRFQVRGNLEGOGLIAFGQTKDIIRQILRADGLRGFYRGYV  
 ASLLTYIPNSAVWWPFYHFYAEQLSRLCPQCEPHIVFQAI SGPLAAATASVLTNPMDVIRTRVQVEGKSS  
 IILTFRQLMAEEGPWGLMKGLSARIISATPSTIVIVVGYESLKKLSLRPELVDSRHW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

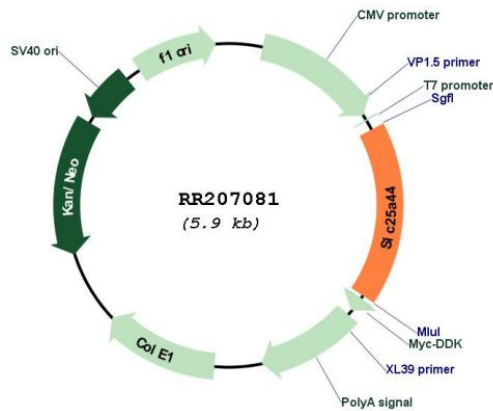
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001108947

**ORF Size:** 1011 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_001108947.1</a> , <a href="#">NP_001102417.1</a>
<b>RefSeq Size:</b>	3678 bp
<b>RefSeq ORF:</b>	1014 bp
<b>Locus ID:</b>	365841
<b>Cytogenetics:</b>	2q34
<b>MW:</b>	37.9 kDa