

## Product datasheet for **RR200787**

### Slc25a3 (NM\_139100) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slc25a3 (NM_139100) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc25a3
Synonyms:	Phc
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR200787 representing NM_139100 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTCTCGTCCGTAGCGCACCTGGCGGGCGAACCCTTCAACGCGCCACATCTGCAGCTGGTGCACG  
ATGTGTCGGGTCCCCGACGCCCCAGGTCCGCCCGCGTCCCGCCACCTGGTCCGCCCGCGTGA  
AGAGTACAGTTGTGAATTTGGCTCCATGAAGTATTATGCACTGTGTGGCTTTGGTGGGTCTTAAGTTGT  
GGGCTGACACACACTGCTGTTGTTCTCTGGATTTAGTAAATGCCGCATGCAGGTGGACCTCAGAAGT  
ACAAGGGCATATTTAATGGTTTCTCATTACATTGAAAGAAGATGGCGTTTCGTGGTTTGGCTAAAGGATG  
GGCCCCAAGTTGATTGGCTATTCATGCAAGGGCTCTGCAAAATTCGGCTTTTATGAAGTCTTCAAAGCC  
TTATATAGCAACATACTTGGTGAGGAGAACACCTATCTGTGGCGTACATCACTGTATCTAGCTGCTTCTG  
CCAGTGTGAGTTCTTTGCTGACATTGCCCTGGCTCCTATGGAAGCTGCTAAAGTTCGAATTCAAACCCA  
GCCTGGCTATGCCAACACACTGAGGGAAGCTGTCCCAAAATGTATAAAGAAGAAGGCTTAAATGCGTTC  
TACAAGGTGTTGCTCCTCTGTGGATGAGACAGATCCCATACACCATGATGAAGTTCGCCTGCTTGAAC  
GGACTGTTGAAGCTTTGTACAAATTTGGTTCCCTAAGCCCCGAAGTGAATGTACAAGGCAGAGCAGCT  
GGTTGTGACATTTGTGGCAGTTACATAGCCGGAGTCTTTTGTGCGATTGTCTCTCACCTGCTGACTCT  
GTGGTCTCTGTGCTGAATAAAGAGAAAGCAGCACTGCCTCTCAGGTCTGCAGAGGCTTGGCTTTAGAG  
GTGATGGAAGGGCTCTTCGCCGAATCATCATGATTGGCACTCTGACGGCACTGCAGTGGTTCATCTA  
TGACTCTGTGAAGGTCTACTTCAGGCTCCCTCGCCCTCTCCACCTGAGATGCCAGAGTCTCTGAAGAAG  
AAGCTTGGGTTAACTGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >RR200787 representing NM\_139100  
 Red=Cloning site Green=Tags(s)

MFSSVAHLARANPNAPHLQLVHDVSGPRSPGPPRRSRHLAAA AVEEYSCEFGSMKYALCGFGGVLSC  
 GLTHTAVVPLDLVKCRMQVDPQKYKGFNGFSITLKEDGVRGLAKGWAPTLIGYSMQGLCKFGFYEVFKA  
 LYSNILGEENTYLWRTSLYLAASASAEFFADIALAPMEA AKVRIQTQPGYANTLREAVPKMYKEEGLNAF  
 YKGVAPLWMRQIPYTMKFA CFERTVEALYKFVVPKPRSECTKAEQLVTVFVAGYIAGVFC AIVSHPADS  
 VVSVLNKEKGSTASQVLQRLGFRGVWKGLFARIIMIGTLTALQWFIYDSVKVYFRLPRPPPEMPESLKK  
 KLGLTE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

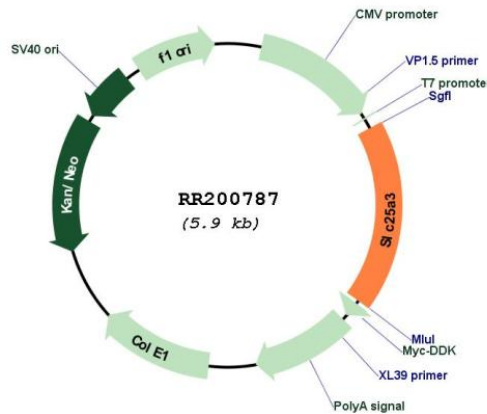
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_139100

<b>ORF Size:</b>	1068 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_139100.2</a> , <a href="#">NP_620800.2</a>
<b>RefSeq Size:</b>	1388 bp
<b>RefSeq ORF:</b>	1071 bp
<b>Locus ID:</b>	245959
<b>Cytogenetics:</b>	7q13
<b>MW:</b>	39.5 kDa
<b>Gene Summary:</b>	a transporter; involved in energy-linked phosphate anion transport [RGD, Feb 2006]