

## Product datasheet for **RR215197**

### Slc41a3 (NM\_001037492) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Slc41a3 (NM\_001037492) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Slc41a3  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR215197 representing NM\_001037492  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGATCGCC

ATGGTCGTCAGCTCAGCTCAGCCTTGAGTCCGCTTTCAGGGCAAGAAGCTTCGAGGCTTCAGCTGTGAGC  
 TAACCCGCTCCCCTCATGGGTCCCTCCCTGAATCTGTCCTCAGCACCCACCTGCCAGGTCCGCATACCTAT  
 ACTGTTGTCCGGCTGGGCATGATGACGGCTGGCTTGGTGATGAACACTGTCCAACACTGGCCAGTGTTC  
 AGAGATGTTAAAGACCTGCTGACGTTGGTGCCGCCCTTGTGGTCTGAAGGAAACCTGGAAATGACGC  
 TGGCATCTCGACTCTCTACGTCTGCCAACACTGGGCAAATCGATGACCGCCAGGAGAGGTACAGAATCAT  
 CAGCAGCAACCTCGTGTGGTTCAGGTGCAGGCCACTGTTGTGGGGCTCCTGGCTGCAGTGGCCTCACTG  
 ATGCTGGGCACAGTGTCCACGAGGAGTTCGATTGGGCCAAGGTGGCCTTGTGTGCACAAGCAGTGTCA  
 TCACCGCCTTCTCGCTGCCTTGGCCCTAGGAATTCTAATGATCTGCATAGTGATTGGTGTCTCGAAAGTT  
 TGGGGTGAACCCTGATAACATCGCCACACCCATTGCAGCCAGCCTGGGAGACCTCATCACGCTGTCTATC  
 CTGGCCCTGATGAGCAGTCTTCTACAGCCACAGAGACAGTGGTATCTGACGCCTCTGGTCTGCATTG  
 GCTTCTGGCTCTCACCCCTCTGTGGATCTTCATTGCCAAGCAGAACCCACCCATCATGAAGATCCTGAA  
 GTATGGGTGGTTTCCATTATCCTAGCCATGATCATCAGCAGTTTCGGAGGCCTCATCCTGAGCAAACCC  
 ATTTGCAAACATCAGTTTAAAGGCATGGCTGTCCTGACTCCAGTTATATGTGGTGTGGTGGCAACCTGG  
 TGGCCATTGAGCCAGCCGCATCTCCACCTTCTGCATATGTGGAGCACACCTGGGGTCCCTCCCTGTCCA  
 GATGAAGAGATTCTGGCCTAACCCCTTGCTTCACTTCTGCTCCTCAGAAATCAATTCTGTATCAGCACGA  
 GTCCTGCTCTTCTGGTGGTCCCAGGACACCTGATTTCTTCTACCTCATCTGCCTGGTGGAAAGGCCAGT  
 CAGTGACAAGCAGCAAGATCTTCGTGTTACTGTACCTGATGGCGGCATGATGCAGGTGGTAATCCTGCT  
 GTACCTAGCGGAAGTGTGGTTCGACTGACCTGGCACCAAGCCCTGGATCCTGACAACCACTGTATCCCC  
 TACCTCACGGCCCTAGGGGACCTGCTGGCACTAGCCTGCTGGCACTGTGCTTCTCCTGGACTGGTTAC  
 TGAGGGGCAGAGCTAATCTTGGCGAGCTGGTCTCAGAGCTGGTTTCTGTGCCTCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >RR215197 representing NM\_001037492  
 Red=Cloning site Green=Tags(s)

MVVTQLSLEFRFQGKLRGFSCELTRSPHGVLPESVLSTTCQVAIPILLSGLGMMTAGLVMNTVQHWPVF  
 RDVKDLLTLVPPLVGLKGNLEMTLASRLSTSANTGQIDDRQERYRIISSNLAVVQVQATVVGLLAVASL  
 MLGTVSHEEFDWAKVALLCTSSVITAFALAALGILMICIVIGARKFGVNPNDNIATPIAASLGDLITLSI  
 LALMSSFFYSHRDTWYLTPLVCIGFLALTPLWIFIAKQNPPIMKILKYGWFPPIILAMIISSFGGLILSKT  
 ISKHQFKGMAVLPVICGVGNLVAIQTSRISTFLHMWSTPGVLPVQMKRFWPNPCFTFCSSEINVSAR  
 VLLFLVVPGHLIFFYLICLVEGQSVTSSKIFVLLYLMAGMMQVVILLYLAEVMVRLTWHQALDPDNHCIP  
 YLTGLGDLLGTSLLALCFLLDWLLRGRANLAELVSELVSVPP

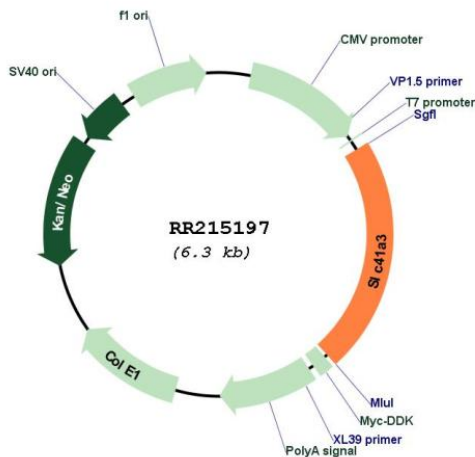
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



<b>ACCN:</b>	NM_001037492
<b>ORF Size:</b>	1386 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_001037492.1</a> , <a href="#">NP_001032569.1</a>
<b>RefSeq Size:</b>	2263 bp
<b>RefSeq ORF:</b>	1389 bp
<b>Locus ID:</b>	641603
<b>UniProt ID:</b>	<a href="#">Q3SWT5</a>
<b>Cytogenetics:</b>	4q34
<b>MW:</b>	50.5 kDa