

## Product datasheet for **RR212472**

### **Slc26a3 (NM\_053755) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc26a3 (NM_053755) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc26a3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide  
Sequence:

>RR212472 representing NM\_053755  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATCGAAGCCATAGGGAATCAGTATGTGGTGGCCAGACCGGTGTATTCCACAAAGCCTTTCGGAGAGG  
 AGTTTAAAGAAGACATACGGACATACAAGACATTCCTGGATCATCTCAAAGGGTGTGTAGCTGCTCCTC  
 ACAAAAAGGCCAAGAAAATTGCCCTGTCTTTGTTCCCATAGCATCTTGGTTGCCAGCATACAAGATAAAG  
 GAATGGCTTCTCAGTGACATCGTCTCTGGCATCAGCACTGGGCTGGTGGCTGTGTGCAAGGTTTAGCAT  
 TTGCTCTGCTGGTCAACATCCCTCCTGCCTATGGGTTGTACGCAGCCTTTTTCCAGTTATCACCTACTT  
 CTTCTGGGCACATCTAGACACATATCTGTGGTCCGTTTCCAGTTCTGAGCATGATGGTGGGAGTTGTA  
 GTTACAAGAGTGGCTCGGGCTCCGATACTTCTCCAGCATTGTCTCAAGCTCGGCAGAAAATGATTCAA  
 TGATAGAGGAGAAGGTAATGGTGGCCGCATCGGTACTGTTCTTCTGGAATCATTAGTTGCTCCTGGG  
 GGTCTGCAGATAGGCTTTGTGGTGATACCTATCCGAGTCCCTAATCAGCGGCTTACCACGGCTGCT  
 GCCATTACGTTCTGGTTTCTCAACTGAAATTCATGCTACAGCTGACGGTCCCAGCACACAGCGACCCAT  
 TCTCTATATTCAAAGTCCTGGAGTCAGTCTTCTCAAAATTCAGAAGACGAACATCGCAGACCTGGTGAC  
 ATCTGTGATTATCCTCGTGGTCGTGTTGTCTGCAAGGAAATCAACCAGCGCTACAGGAGCAAGCTCCG  
 GTGCCATCCCCATCGAACTCATGACTGTAATTGCAACAGGCATATCCTATGGCTGTAACCTTGAAC  
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 AGTTTTCAAGACACCATAGGAGACTGCTTTGGCATTGCGATTGTGCGCTTTGCCGTGGCCTTTTCAGTT  
 GCTAGCGTGTATCCCTCAAATACGATTATCCCATTGATGGCAACCAGGAGTTAATTGCCTGGGGTTCAGGA  
 GCAACATATTCAGTGGAGCTTTCAAAGGATTTGCAGGGAGCACAGCCCTTCCAGATCAGGGGTTTCAGGA  
 GAGCACGGGAGGCAAAACACAGGTCGCGGGGCTTCTCTCGGCTGTCATTGTGCTGATAGTCATAGTTGCC  
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 TGCTGATGCAGTTTGGCAGATAGGCAGGCTGTGGAAAAAGGATAAATACGATTGTTAATCTGGATCAT  
 GACCTTCATCTTGGCATCGTCTTGGGCTCGGATTAGGCCTGGCAGCAAGTGTGGCATTTCAGCTCCTA  
 ACTATTGTGTTCCAGGACCAATCCCAAATGCAGCAGCACTGGCTAATGTTGGAAGGAGCAACATCTACA  
 AGAATAAAAAAATTATGCTGACGTTTATGAGCCAGAAGGAGTAAAAATTTTCAGATGTCGGTCTCCAAT  
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 CTAAAGGATTTATATGCACCTCTGATGGCTTCAAAGACTCTGATGAAGAATTGGACAACAACCAGATAGA  
 AGAACTGGATCAGCCGATCAATACCACGGACCTGCCCTTTGAAATAGACTGGAACGCCGATCTCCCCCTC  
 AACATCACCATCCCCAAAATCAGCCTCCACAGCCTCATCTCGATTTTTTCAGCAGTATCCTTCTTGACA  
 TCTCCTCAATGAGGGGCTCAGAACGATTTTACAAGAGTTTATTAGGATCAAGGTGGACGTATATATTGT  
 GGGAACCGATGATGATTTATTGACAACTTGTCTGGTGTGAATTCTTTGATGACGAAGTACAGACTCA  
 ATATTTTTCTTAAACATCCATGATGCTATTTTGCATATTTGGATGAAGAAGGACTACAGCACTTCAAAGT  
 TCAATTCAGCCAGGAAAAAGAAAGAAATTTGACTTTACCATAAATACAAATGGAGGATTACGTAATCG  
 GGATGTCAGGTACCAGTTGAAACGAAATTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR212472 representing NM\_053755  
 Red=Cloning site Green=Tags(s)

MIEAIGNQYVVARPVYSTKAFGEEFKKTYPGHHTFLDHLKGCCSCSSQKAKKIALSLFPIASWLPAYKIK  
 EWLLSDIVSGISTGLVAVLQGLAFALLVNIPPAYGLYAAFFPVITYFFLGTSRHISVGPFPVLSMMVGVV  
 VTRVAGSDTSPALSSSSAENDSMIEEKVMVAASVTLSGIIQLLLGVLQIGFVVIYLSLISGFTTAA  
 AIHVLVSQKLFMLQLTVAHSDPF SIFKVLSEVFSQIQKTNIA DLVTSV IILVVVFVVK EIQRYRSKLP  
 VPIPIELIMTVIATGISYGCNFEQRFVAVVGNMSLGFQPPITPSVEVFQDTIGDCF GIAIVGF AVAFSV  
 ASVYSLKYDYPIDGNQELIALGVSNIFTGAFKGFAGSTALSRSGVQESTGGKTQVAGLLSAVIVLIVIVA  
 IGFLQLPQKSVLAALALGNLKGMLMQFAEIGRLWKKDKYDCLIWIMTFIFAIVLGLGLAASVAFQLL  
 TIVFRTQFPKCSTLANVGRSNIYKNKNYADVPEGVKIFRCPSPIYFANIGFFKQKLIDAVGNPLRI  
 LRKRKALKKIRKLQKQLIQVTPKGFICTSDGFKDSDEELDNNQIEELDQPINTDLPFEIDWNADLPL  
 NITIPKISLHSLILDFSAVSFLDISSMRGLRTILQEFIRIKVDVYIVGTDDDFIDKLARCEFFDDEVTS  
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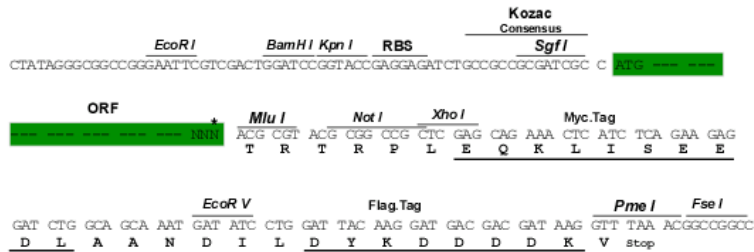
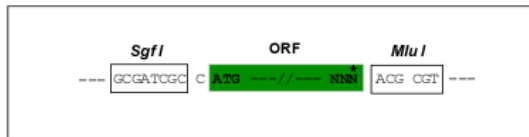
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

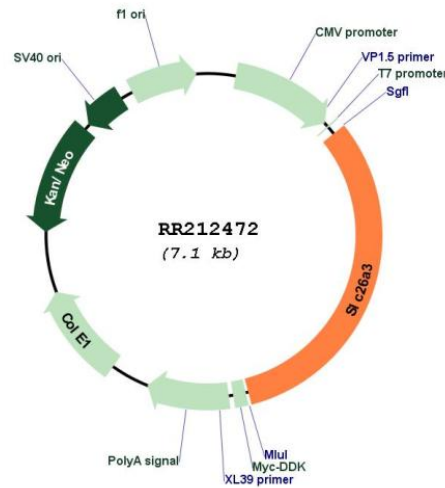
Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM\_053755

ORF Size: 2271 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\\_053755.2](#), [NP\\_446207.1](#)

RefSeq Size: 2850 bp

RefSeq ORF: 2274 bp

**Locus ID:** 114629  
**UniProt ID:** [Q924C9](#)  
**Cytogenetics:** 6q16  
**MW:** 83.4 kDa  
**Gene Summary:** transmembrane chloride/bicarbonate exchanger; plays a role in mediating electrolyte and fluid absorption in the colon [RGD, Feb 2006]