

## Product datasheet for **MR207987**

### **Slc17a3 (NM\_134069) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc17a3 (NM_134069) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc17a3
Synonyms:	AW261723; Npt4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR207987 representing NM\_134069  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCCACAGTGGTAGAGATGAGCCCTACAAGTGAGCAGAGTGAGTTCGTCTAGGTACGCCAGTGAACA  
 AGAAGACCCCTGCCCTGAAAGTCCCGAGTTTATGTTCCATGCGCTATGGAATCGCCTTCGTACACATTT  
 CTGCAATTTACACTGATGGCGCAGAATTCTATTATAAGCATCACCATGGTAGCAATGGTCAACAACACC  
 GACCACCCACCCACCTCAATAGCTCTACTGAACAGCTTCTGCGGGTTAAGCGGTGATCAGCATGAAG  
 CCTCAAAGCATCTTCTATAAAGGCCCTGTGTATAACTGGAGTCTCAAACCTCAAGGAATCATCTTCAG  
 CTCTGTCCAGTATGGCATGATACTGATGCAAGGTCTGGAGGATACTTGGCAGGGAAAATAGGAACAAG  
 AAAGTGGTTGGAATTGCTCTGCTGGATCTTCATTACTCACTCTGTCATCCACTGGCTGCCAATCTTG  
 GACTAGTTTTTTCTGGCAACTCGAGCAGTCAAGGCTTAATGCAGGGCACTGGATATGGGGACAGTT  
 TGCCTCTGGCAGAAATGGGCTCTCCGAATGAGCGCAGCCGACTCTGCACCATTGCCTTGTGAGGAATG  
 ACATTGGGAATCTTACTGTCTCTTGTGGGCGGCATCATTAGTGAAGCCCTGGGTGGCCCTTTGTCT  
 TCTATAGTTTTGGAGGTGGTGGTGTCTGTCAGCCTTCTCTGGTTCATTCTGATTTATGATGACCTGT  
 CTCTCACCCATGGATAAGTGGCCAGAAAGAGAATATATTTTATCCTCTCTGAACCAACAGTTACAGTCA  
 GAAGAGCAGCCACTTCCCATAAAGCTATGCTCAAATCTCTGCCTCTCTGGTCCATGTGTCTCTGCACTA  
 TGACCCATCAGTGGCTTGTAAACACCTTATAATGTACTCAACCTACATCAGTTCTGTATTCAAAGT  
 TAACATCAGAGACAATGGGTTCTGTCTCTCTCCCTTATTGTTGCCTGGGTCCTTGGTATCTGGGA  
 GGCTGGCTGGCAGATTTCTACTGAGCAGAATTTAGGCTCATAACTGTGAGAAAATTCATCACACTTT  
 TAGGAAATGCTCCTCTGCAGCCCTCGTTGCGGCTCTGCCTATATCCAATCCAGCTATATACAACAAT  
 TATATTTCTGACAATTTCTGTGGACTGTGCCCTCTATCTCAGGCAGGAATCTATATTAATGCGTTAGAC  
 ATTGCTCAAGGTATGCCAGTTTCTCATGGGAACATCAAGAGGATTGGCACATTCATCGCTGTGCTGG  
 TACCCATTGTTGCTGGCTTTTCTCAGCCAGGACTCTGAATTCGGGTGGAGGAATTTCTTTTTTGTAGT  
 GTTTGCAGTTAACCTACTTGGCTTAATCATCTACCTCGTGTGGGAAAGCAGATGTTCAAGAAATGGGCT  
 AGAGAGAGGAAGCTCACTCGTTTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR207987 representing NM\_134069  
 Red=Cloning site Green=Tags(s)

MATVVEMSPTSEQSEFVLGTPVNNKTPALKVPSLCSMRYGIAFVTHFCNFTLMAQNSIIISITMVAMVNNT  
 DHPPHLNSSTEQLPAGLSGDQHEASKHLPKAPVYNWSPQTQGIIFSSVQYGMILMQPGGYLAGKIGTK  
 KVVGIALLGSSLLTLCIPLAANLGLVFFLATRAVQGLMQGTGYGGQFALWQKWAPPNERSRLCTIALSGM  
 TLGIFTVLLVGGIISEALGWPFVYFSGGGVLCSSLWFILYDDPVSHPWISGPEREYILSSLNQQFSS  
 EEQPLPIKAMLKSLPLWSMCLCTMTHQWL VNTFIMYPTYISSVFKVNIRDNGFLSSLPFIVAWVLGILG  
 GWLADFLLSKNFRLITVRKFITLLGNAPPAALVAALPYIQSSYITTTIIFLTISGLCPLSQAGIYINALD  
 IAPRYASFLMGTSRGLAHSSAVLVPIVAGFFLSQDSEFGWRNFFFVFAVNLLGLIYLVFGKADVQEWA  
 RERKLR

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9027\\_f08.zip](https://cdn.origene.com/chromatograms/mm9027_f08.zip)

**Restriction Sites:**

Sgfl-Mlul

Cloning Scheme:



ACCN: NM\_134069

ORF Size: 1494 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\\_134069.3](#), [NP\\_598830.2](#)

RefSeq Size: 4276 bp

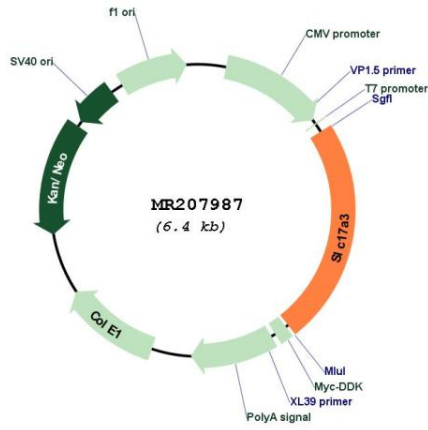
RefSeq ORF: 1497 bp

Locus ID: 105355

Cytogenetics: 13 A3.1

MW: 55 kDa

Product images:



Circular map for MR207987