

## Product datasheet for **MR207942**

### **Slc37a3 (NM\_028123) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc37a3 (NM_028123) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc37a3
Synonyms:	2610507O21 Rik; AU044904
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR207942 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCCTGGCCACGATTTTTGCAGAGAGGAGCTCTCCTACCAGCTTCAGCCATCACCACCTTGCTGTGT  
 TCCTGCTCACGTTCTTCAGCTATTCATTGCTCCATGCGTCAAGAAAAACATTTAGCAATGTGAAAGTCAG  
 TATCTCTAAGCAGTGGACCCCAATGCTTTTAACACATCACTTGACCTGCCTGCAGAGATCTGGAGCAGC  
 AACCATCTATTTCCAGCACAGAGGAAGCCACTCTTTTCTTGGAACTAGATACTGTTTTTCTGTTCT  
 CCTATGCTGTGGCCTCTTCATCAGTGGCATCATAGGCGATCGGCTGAATTTGCGATGGGTTCTGTCTTT  
 TGGCATGTGCTCTTCTGCATTCTGTTGTTGTCTTTGGTACTCTTACGGAATGGCTGCACCTTCTACAAC  
 AAGTGGTCTACTGCGGTCTGTGGATTGTGAACGGCCTGCTGCAGTCCACTGGTTGGCCCTGTGTGGTTG  
 CTGTGATGGGCAACTGGTTTGGAAAGCTGGCCGAGGAGTTGTCTTTGGTCTCTGGAGTGCCTGTGCTTC  
 GGTGGGCAATATTTGGGAGCATTCTGACCTCATCGGTTCTCCAGTATGGTTATGAGTACGCCCTTCTG  
 GTGACCGCATCTGTGCAGTTTGCTGGTGGGATCATCATCTCTTTGGACTTCTAGTGTCCACAGAAGAAA  
 TTGGTCTCCTGAGTATCGGGCAGAGGAGAGCTCGGAAGAAGATTCACAGAGGCCACTCATCGATGGTGC  
 TGAATAAGAGATGACTATGAGCCTAATTCGATCCAGGAGGACAGGGCTGTCGTCGAAGTGAAGGCC  
 ATAAGCTTTATCAGGCTTGCTGCCTTCTGGGGTCACTCCGTACTACTGGCCTACGCCTGCCTGAAGC  
 TAGTGAAGTACTCCTTCTTCTTCTGGCTGCCCTTTATCTGAGTAACAACCTCGGGTGAAGGAAGCCGA  
 AGCTGACAAGCTGTCCATTTGGTACGACGTCGGAGGTATCATAGGTGGGACTCTGCTAGGCTTCACTCT  
 GACGTAAGTGCAGAAGAGACACCTGTGCTGGCCCTCAGCCTCTTCTGGCCGTCGGTCCCTTGTGGGT  
 ATAGCCGCTCTCAAACAATAAGTCCATCAATGCGCTTCTGATGACCATTACAGGGTTTTTATCGGGCG  
 ACCATCCAATATGGTTAGCTCTGCTATTTCTGCAGACTTGGGTGCGCAAGAGCTGATCCAAGGGAACAGC  
 GAGGCTCTGGCGACTGTACGGGATCGTCGATGGAACAGGGAGTATTGGTGTGCTGTGGGCCAGTATC  
 TGGTGTCTTTGATCCAGGACAACCTAGGATGGATGTGGGTTTTCTACTTTTTTATCTCATGACAAGTTG  
 TACAATTCTGTTATCTCGCCGTTAATAGTGAGGGAAGTATTTTCTTGTGCAAAGGAGACAAGCTCAC  
 TCACTTAATGAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR207942 protein sequence  
 Red=Cloning site Green=Tags(s)

MAWPRFLQRGALLTSFHHHLAVFLLTFFSYSLHLHASRKTFSNVKVSISKQWTPNAFNLSLDLPAEIWSS  
 NHLFPSTEEATLFLGTLDTVFLFSYAVGLFISGIIGDRLNLRWVLSFGMCSAFVVFVFGTLTEWLHFYN  
 KWFYCGLWIVNGLLQSTGWPCVAVMGNWFGKAGRGVVFGLWSACASVGNILGAFLTSSVLQYGYEYAF  
 VTASVQFAGGIIIFGLLVSPEEIGLLSIGAEESSEEDSQRPLIDGAENEDDYEPNYSIQEDRAVVQVKA  
 ISFHQACCLPGVIPYSLAYACLKLVNYSFFFWLPFYLSNNFGWKEAEADKLSIWYDVGGIIGGTLGFI  
 DVLQKRAPVLAFLAVGSLVGYSRPNKNSINALLMTITGFFIGGPNMVSSAISADLGRQELIQGNS  
 EALATVTGIVDGTGSIGAAVQYLVSLIQDNLGWMWVYFFILMTSCTILFISPLIVREVFSLVQRRQAH  
 SLNE

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



ACCN: NM\_028123

ORF Size: 1485 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\\_028123.2](#), [NP\\_082399.2](#)

RefSeq Size: 4065 bp

RefSeq ORF: 1485 bp

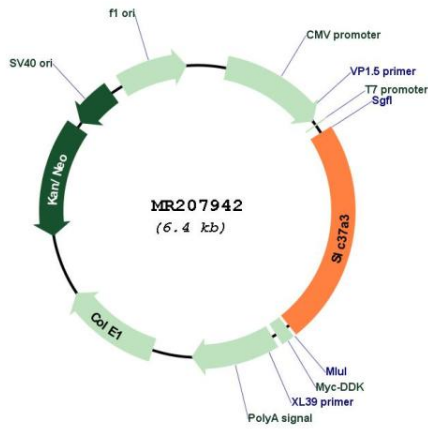
Locus ID: 72144

UniProt ID: [Q3TIT8](#)

Cytogenetics: 6 B1

MW: 54.4 kDa

Product images:



Circular map for MR207942