

## Product datasheet for **RN205888**

### Slc11a1 (NM\_001031658) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slc11a1 (NM_001031658) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc11a1
Synonyms:	Bcg; Itg; Lsh; Nramp1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN205888 representing NM\_001031658  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGATTGTCGACAAAAACCCCCAGAGGGTGAACAGGCCAGTTATGGCTCCATTTCCAGCCTGCCTAGCC  
 CAGCACCTCAGCCAGAGCCTTCCAGGAACACCTACCTGAGTGAGAAGATTCCCATCCCCAGCACGGAACA  
 GCTGCTCTGGGTGCTGCTCTGGGCCACTGTGCTAGGCTTGTCTGCCAGCGGCTGGCTGCCCGGCTGGGC  
 GTGGTGACAGGCAAGGATCTGGGTGAAATCTGCCATCTCTACTACCCTAAGGTGCCCGCATCCTCCTCT  
 GGCTGACCATTGAGCTGGCCATTGTGGGCTCAGACATGCAGGAAGTCATCGGAACGGCTATCTCCTTCAA  
 TCTGCTCTCCGCTGGACGCATCCCCCTGTGGGTGGCGTACTGATCACTATTGTGGATACCTTCTTCTTC  
 CTCTTCTGGATAACTATGGTTTGCACAAGTTGGAAGCGTTTTTTGGGTTCTCGTTACCATAATGGCTT  
 TGACCTTCGGTTATGAGTATGTGGTGGCTCGTCCATCTCAGGGAGCCCTTCTTAAGGGCCTGTTCTGCT  
 CTCTGCCCGGCTGTGGGCAGCCTGAGCTGCTGCAGGCAGTGGGCATCGTTGGTGCCATCATCATGCCT  
 CATAACATCTACTGCACTCGGCCTTGGTCAAGTCTAGAGAGGTAGACAGAACTCGCCGGGGGATGTTCC  
 GAGAAGCCAACATGTAATTCCTGACTGAGGCCACCATCGCCCTTTCGTGTCATTTCATCATCAACCTCTT  
 CGTCATGGCTGTTTTGGTCAAGCCTTCTACCAGCAAACCAATGAGGAAGCGTTCAACATCTGTGCCAAC  
 AGCAGCCTCCACAACATGCTAAGATCTTCCCCAGGGACAATAACACAGTGTGAGTGGATATTTATCAAG  
 GAGGTGTGATCCTAGGCTGTCTCTTGGCCCTGCGGCCCTCTACATCTGGGCAGTAGGTCTCCTGGCAGC  
 GGGTCAGAGTTCTACTATGACCGGCACCTATGCAGGACAATTCGTGATGGAGGGTTTCTTAAGCTGCGA  
 TGGTCTCGATTTGCACGCGTCTTCTCACTCGCTCTTGCCTATCCTGCCACTGTGCTGGTGGCTGTCT  
 TCCGAGACCTGAGGGACCTGTCCGGCCCAACGATCTACTCAATGTTCTGCAGAGTCTACTGTCGCCCTT  
 TGCTGTGCTGCCATTCTGACTTTCACCAGCATGCCAGCGTCATGCAGGAGTTTGCCAATGGCTGGTTG  
 AGCAAAGTCATTACTTCTGCATCATGGCACTGGTCTGCGCCATCAACCTGTAATTCGTGATCAGCTACC  
 TGCCAGCCTCCCGCACCTGCCTACTTTGGCCTTGTGGCTCTGCTCGCCATAGGTTACTTGGGCCTTAC  
 TGCTTATCTGGCCTGGACCTGTTGCATTGCCCATGGAGCCAAGTTTCTGACCCACAGCTCCCACCAGCGC  
 TTCCTGTATGGACTCCCTATCGAGGAGCAGGAAGGCAGGGAGGGTTCCGGG**TGA**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII

**ACCN:** NM\_001031658

**Insert Size:** 1524 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_001031658.1](#), [NP\\_001026828.1](#)

**RefSeq Size:** 2012 bp

**RefSeq ORF:** 1524 bp

**Locus ID:** 316519

**UniProt ID:** [P70553](#)

**Cytogenetics:** 9q33

**Gene Summary:** putative metal ion transporter; mouse homolog is a macrophage protein associated with resistance or susceptibility to intracellular pathogens [RGD, Feb 2006]