

## Product datasheet for **RN214407**

### **Slc7a13 (NM\_001012100) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc7a13 (NM_001012100) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc7a13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN214407 representing NM\_001012100  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCAATGGATATAGAGAAGAAAAATATCTCAAGAGACAACCTGGATATTTCTGGGGACAAATTTT  
 TAATTATCAATATAATTGGTGCAGGGATATTTGTGTCCCCAAGGAGTGCTACAGTACTCTCCATGAA  
 TGTGGGAGTCTCCTTGTGTGTTTGGGTTTTCTGTGCAGTCTGTCCATGACCAGTACTCTGTGTGCA  
 GAGATTGGAATAACCTTCCCATACACGGTGGCTCACTACTATTTTTAAAGAGATGCTTTGGCCCTTTG  
 TGGCATTCCCTAAGACTTTGGACTTCTTGTTTACGGGCCAGGCGTACTGGCTAGTCAAGCTCTGCTACT  
 CGCCGAGTATGGCATTACGCTTTCTATCCAGCTGCTCTGCCCGGCTGTACCAAAAAATGTCTGGCC  
 CTGGCGATGCTGTGGATTGTGGGAATTCTGAATTCCTGTTGTGAAAGAGCTGCATGGCTTACAGACG  
 TGAGCATGGTGTGAAGATGGGTATACTTAGCTTCATTTCCCTCAGCGGCTTGTCTTGGTGTGACAGG  
 GAGGAAGGAGAAGCTGCGAAGGCTTCAAGATGCTTTTGTGATCCGAGTTTCCAGAGGTCTCTCGGTTGATA  
 GAAGCTATCTTCCAAGGATACTTCGCATTTTCTGGCGGAGGAAGTTTACATACGTAGCAGGTGAGCTGA  
 AGGAACCCAGCAAAACAATTCCTAGATGCATATTCACAGCGCTGCCTCTGGTAACTGTGGTGTACTTACT  
 GGCTAATCTTTCCTACCTGACAGTTCTGAGCCCCAGGAATTCCTCTTCCAGATGCTGTGGCTCTTACA  
 TGGACAGACAGGGTCATTCCTCAATTAACATGGAGTGTCCCTTTTGTATTTCTGCCTCACTGTTACGCA  
 ACCTCGTACTAGTGTATTTGAGACATCAAGAAGTGCATATTTGCAAGCCGGAATGGGCAGCTGCCCTT  
 GTTGTGTAGTACCCTAAATGTTCACTCCTCTCCCTTATAGCTGTGCTACTAGATGTCAGTATGGGGTCC  
 ATTGCAATTGTCTTAACAAACCTAATTGAGCTGATAAACTATCTATTTTTGTTTTTCCATTTGGACTG  
 TCTTATCAGTAATAGGGATCTTGAACCTGAGTACCAGGAGCCTAATCTACACAGACCATATAAGGTGTT  
 TTCTCCATTCTTATTCATAACAGCTGCCATCAGCCTGAGCATGGTTTTGATTCCACTTATCAAGTCTCCG  
 AAGATGCAATATATCTATGTGTTCTTCTTTCTCGGTGGACTACTGTTTTATGTGCCATTGATACACT  
 TTAATTGAAGTTAATTTGGTCCAGAAGTTGACTTGCTATCTGCAGTACTGTTAATATTTGCATCCC  
 TGATGTCTGATGAGCATGTGGCGGAAGAAGAAAGT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001012100
- Insert Size:** 1440 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\\_001012100.1](#), [NP\\_001012100.1](#)  
RefSeq Size: 1928 bp  
RefSeq ORF: 1440 bp  
Locus ID: 313089  
UniProt ID: [Q5RKI7](#)  
Cytogenetics: 5q13  
Gene Summary: Mediates the transport L-aspartate and L-glutamate in a sodium-independent manner.  
[UniProtKB/Swiss-Prot Function]