

Product datasheet for MC203735

Slc28a3 (NM_022317) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc28a3 (NM_022317) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc28a3
Synonyms:	Cnt3
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC013783

```

>BC013783
GCAGGTGGCCCTCTGACATAGCAGAGGTGGTGCTTGTCTCTCTCTGCTCTGAGCAGAGGATGTCCAGG
GCAGACCCGGAAAGAATTCCGAGCCCAGTGAGAGCAAGATGAGCCTGGAGCTGAGGCCAACAGCCCCCA
GCGACCTGGGCCGAGCAATGAAGCCTTTTCAGGATGAAGACCTTGAACGGCAGAACACTCCAGGAAACAG
CACAGTCAGGAACAGAGTTGTACAAAGCGGGAAACAAGGACACGCCAAACAGGACGACAGGCAGATCACG
ATTGAACAGGAGCCTCTAGGAAACAAAGAAGACCCAGAGGATGATAGCGAAGATGAGCATCAGAAAGGT
TCTTGGAGAGGAAGTATGATACAATTTGTGAGTTTTGTAGAAAGCACAGAGTTGTTCTCCGAAGCACCAT
CTGGGCCGTTTTACTGACAGTTTTCTGGCCCTGGTGATTGCAGCCTGTGCGATAAGCTTCCACAGAGCC
CTTCTCTTTTTGTGATCACCTTGGTGACCATCTCTTTGTCATCTGGGATCACTTGATGGCCAAATATG
AACAGCGAATAGATGATTTCTGTCTCCTGGCAGAAGGCTTCTCGACAGGCATTGGTTCTGGCTGAAATG
GGTGGTCTGGAGTTCATTGATCCTGGCGATTATTCTCTGGCTGTCTCTTGACACTGCCAAACTGGGCCAA
CAAACCTTGGTATCCTTTGGCGGACTCATCATGTACCTTATCCTGTTATTTCTGTTTTCCAAACATCCCA
CCAGAGTTTACTGGAGGCTGTCTTTGGGGAATTGGACTACAGTTTCTTCTGGGCTCTTAATTCTAAG
AACTAGGCCTGGATTTGTTGCTTTGATTGGATGGGGAGACAAGTTCAGACTTTCTGGGGTACACTGAT
ACTGGAGCCAGGTTTGTCTTTGGGAAAAGTATACAGACCACTTCTTTCATTTAAGATCCTGCCATCG
TGGTTTTCTTCAGCACTGTGATGTCTATGCTTTACTATCTGGGGCTGATGCAGTGGATCATCAGAAAAGT
CGGGTGGCTAATGCTTGTACGATGGGGTCATCTCCCATTGAGTCTGTAGTTGCTGCTGGCAACATATTT
ATTGGGCAAACAGAGTCTCCACTACTGGTCCAACCATATTTACCACACGTCACCAAGTCGGAACCTCCATA
CCATCATGACAGCTGGCTTTGCCACGATTGCTGGAAGTGTATTGGGCGCATATATCTTTTTGGGGTGTG
GTCCACGCATTTGCTAACTGCTTCGGTCATGTCTGCGCCTGCAGCCTGGCTGTGGCCAAACTCTTTTGG
CCTGAGACAGAGAAACCCAAAATAACCCCTCAAGAGTGCCATGAAGATGGAAAATGGTGATTCAAGGAATC
TCTGGAGGCAGCCTCTCAGGGCGCATCCTCGTCCATCCCTCTGGTGGCAAACATTGCTGCGAATCTGAT
CGCCTTCTGGCCTTGTCTCCTTTGTGAACCTCTGCCCTGTCTTGGTTTGGAAAGCATGTTCAACTACCCA
GAGCTGAGTTTTGAGCTCATTTGTTCTACATCTTCATGCCCTTCTCTTTCATGATGGGAGTCGACTGGC
AAGACAGCTTTATGGTCGCCAAACTCATAGGTTACAAGACATTCTCAATGAATTTGGGCTTATGACCA
CCTCTCAAATAATCAATTTGAGGAAAGCGGCTGGACCTAAATTTGTGAATGGCGTGCAGCAATATATG
TCAATTCGCTCTGAGACCATCGCAACCTATGCCCTCTGTGGTTTTGCCAATTTGGTTCCCTAGGAATCG

```



[View online »](#)

```
TGATCGGTGGACTTACATCCATAGCACCATCCAGAAAACGAGACATCGCCTCTGGAGCCATGAGAGCCCT  
GATTGCTGGCACCATTGCCTGCTTCATGACAGCCTGCATCGCAGGCATCCTCTCTGATACCCCGTGGAT  
ATCAACTGCCATCACGTTCTAGAGAACGGCAGAGTACTCAGCAACACAACCGAAGTGGTGTCTTGTGGC  
AAAATCTGTTCAACAGCACTGTTGCCAGGGGACCAATGACGTCGTCCCAGGAGGAACTTCAGCCTCTA  
TGCTTTGAAGAGCTGTGCAACCTGTGAAACCACCAACGCTGAACTGCGATTGGATCCCTAATAAATTG  
TGATCTCAGCCATGTGTCCAGTGGGATTCTGCATGCAGATGCTGGAGTTCTGCCCTGGAGGGGATAGAA  
AACTCCGTCATGGACTCAGACTTAATGGCAAAGGAGGAACAAGGTCAAGGATGAGTCCCTGAGCTACA  
GTGTCTCCCTTCTCCTTCTCCTTAGCCACCATCTCTGCATGGAGAAGTGGATGTTGTCCCTAGCT  
GAGGTGTGATCCTAAGCCCAACAATATTTTCTGACTTTATAGTTTCAAGGCATTTTCATGAAAAATATG  
TGTATATAAAACAATATATACACATATATATGTCTGTGTATATGTATATATACACATGTAATAGTA  
TATATATGCATACCATATATATTTATATAAATATATATATGGTAGTTCCCAGCAACTGGCCAGATAGAT  
AGATAGATAGATAGATAGATAGATAGATAGATAGATAGATAGATAGATAGATAGATAGATAGTGTGTGTGTGTGTGTGTGTGTGTGTAGTTCCCAA  
TATGATTTAAACACATCTCAGGCAAGGTCATTCCACCCTCACTCAAGTCGTCTGAAATACCTTCAACTT  
GAATCTCATGTGAAGGAGGGCTATTCTGCAATGGCCATTCACTCGCTACCATCCAGAAGTTTCTCATAG  
ATCAAGAGTCCTTCAGAAAAGCACGCAGGCCATACGAAAGCCAATACTTGAGTCCATAAACATAGAGCCT  
TGTAAGCAGCGAGCTTCCATCCACCTATGCTGCAGAGACTTCCCGCTAATTCAACATCTTACAAAATCTT  
TTATGGATATGTTTGAATGCTCGGCTCAAGATTCTAAGTCTCATCAGCCTCAGAGGCTTGAAGCAGT  
CGTCTCCATCTTTTTAAAGTTAACATTGTATTTTTTGAATGAATATCTTTTATTCTTTGGCAATTTTAC  
ACATGTGTATAATGTACTTTGATCATACCTACCCTTAATCCCCTGCCCCACCCTCCTAGACACCCTT  
CAGCTTGTCTCCACCTCACCTTCTTGGCCTCTCCTCTATGTTTTGTAACCTTCTGAGTCTAGGGTGCCT  
GCCACAATGTTGCCTGGCACTGTTGGCTTGATCTTGTGGGAGTGACCATTCTTCTGTAACCTTACTAAGT  
CTAGGGTTGCCTGCAACAATGTTGCCTGGCACTGTTGGCTTGATCTTGTGGGAGTGACCATTCTTCTGTAACCTTACTAAGT  
GAGCTCATGAGTGCAAAGTCTGTCTGTTCCGGAAGACAGCATCTCACAGCTTTCCTCCAGCCCCTGGCTC  
TCACATTCTTTCCTCCCATCTTGAGCTCTATTCCCTGTGCCTCAAGGAAGTAGCTATAAATGTTCCAGT  
TGGGGCTGAGCACTCTGTAGTTGTTTATTCTCACATTTATCAGCCATGAGTCTCTGCATTGCTAAACTGG  
GGTTAATCGTGTCTGTTTTCAGTACCCTGGCTAAAAGAAGTGGTCCCTATATGGGCTGACCTTAGGGAA  
ACATGCAGAAACAGTGTAATAGCTCTTAACTTTGCTGCTAGGAGCCAGATTTGGTGCACACTCCTGTATT  
CCAGCTCTGGGAAGCTGAGACAGGAAGATTATGAGCTCAAACCAGCACAGGGTACATAGCAAGAGTGTG  
TCTCCAAGCAGCAACAGCAAAAATTTATACAAGGTAATAACTCTTCATTCCACTCTGTGTGTGAGCC  
AGAGGAAGTCTGTGACAAGGAGGTGTCTGAGGCCATAAATGAACTATCCCTGTACAAGAGGAAAACAG  
TGGACACTTTGAAGAAGTCAATAGACTACCATGGTGCCTGATATCCAAGTCTCTGTGATTGTGTATATAG  
ACCTGTTGGTGTGCAATTTTGTACATTCTGATTAAGACTGTAAAACATTAGTTAGTGTCTCAGTAAAA  
AGCCACGTAAGGCCAACTATGAAGGACTCAATGCCCACTGAGGTGGGGATGGCTTCACTGGCTCTC  
CTGTCAATCAGCAAGACACCAGCATCATGAGTGTCCCTGGGGTTATCAGCAGAACTCGCTTAAACGAA  
ATAAGTATCGACGGTGCAGAGAACACACTGAGGAAAACCTGAGCCAAAGCAGACTCAAAGGAAGAGTGT  
CAGCGGGAAAGGGTTATGCAATACCTTAGATGATGATTTCTGTTTCCCCTTCTGACCATGCACGAGAGC  
AATTAATAAATAATCTATGCATAAAAAAAAAAAAAAA
```

Restriction Sites:

RsrII-NotI

ACCN:

NM_022317

Insert Size:

2112 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: [BC013783](#), [AAH13783](#)

RefSeq Size: 4377 bp

RefSeq ORF: 2112 bp

Locus ID: 114304

UniProt ID: [Q9ERH8](#)

Cytogenetics: 13 B1

Gene Summary: Sodium-dependent, pyrimidine- and purine-selective. Involved in the homeostasis of endogenous nucleosides. Exhibits the transport characteristics of the nucleoside transport system cib or N3 subtype (N3/cib) (with marked transport of both thymidine and inosine). Employs a 2:1 sodium/nucleoside ratio. Also able to transport gemcitabine, 3'-azido-3'-deoxythymidine (AZT), ribavirin and 3-deazauridine (By similarity).[UniProtKB/Swiss-Prot Function]