

Product datasheet for **MR210144**

Slc28a3 (NM_022317) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc28a3 (NM_022317) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc28a3
Synonyms:	Cnt3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>MR210144 representing NM_022317
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCCAGGGCAGACCCGGGAAAGAATTCAGGCCAGTGAGAGCAAGATGAGCCTGGAGCTGAGGCCAA
CAGCCCCAGCGACCTGGGCCGAGCAATGAAGCCTTTCAGGATGAAGACCTTGAACGGCAGAACACTCC
AGGAAACAGCACAGTCAGGAACAGAGTTGTACAAAGCGGGGAACAGGACACGCCAAACAGGACGACAGG
CAGATCACGATTGAACAGGAGCCTCTAGGAAACAAAGAAGACCCAGAGGATGATAGCGAAGATGAGCATC
AGAAAGGGTTCTTGGAGAGGAAGTATGATACAATTTGTGAGTTTTGTAGAAAGCACAGAGTTGTTCTCCG
AAGCACCATCTGGGCCGTTTTACTGACAGGTTTCTGGCCCTGGTATTGCAGCCTGTGCGATAAATTC
CACAGAGCCCTTCTCTTTTTGTGATCACCTTGGTGACCATCTTCTTTGCATCTGGGATCACTTGTAGG
CCAAATATGAACAGCGAATAGATGATTTCTGTCTCTGGCAGAAAGGCTTCTCGACAGGCATTGGTTCTG
GCTGAAATGGGTGGTCTGGAGTTCATTGATCCTGGCGATTATTCTCTGGCTGTCTTTGACTGCCAAA
CTGGGCCAAACAAACTTGGTATCCTTTGGCGGACTCATCATGTACCTTATCCTGTTATTTCTGTTTTCCA
AACATCCCACCAGAGTTTACTGGAGGCCTGTCTTTTGGGGAATTGGACTACAGTTTCTTCTTGGGCTCTT
AATTCTAAGAACTAGGCCTGGATTTGTTGCTTTTATTGGATGGGAGACAAGTTTCAGACTTTCTGGGG
TACACTGATACTGGAGCCAGGTTTGTCTTTGGGAAAAGTATACAGACCCTTCTTTCATTTAAGATCC
TGCCCATCGTGGTTTTCTTCAGCACCGTGATGTCTATGCTTTACTATCTGGGGCTGATGCAGTGGATCAT
CAGAAAGTCCGGTGGCTAATGCTTGTACAGATGGGGTTCATCTCCATTGAGTCTGTAGTTGCTGCTGGC
AATCCATATTTATGGGCAAACAGAGTCTCCACTACTGGTCCAACCATATTTACCACAGTCACCAAGTCGG
AACTCCATACCATGACAGCTGGCTTTGCCAGGATTGCTGGAAGTGTATTGGGCGCATATATCTTTT
TGGGGTGTCTCCACGCATTTGCTAACTGCCTCGGTTCATGTCCGCACCTGCAGCCCTGGCTGTGGCCAAA
CTCTTTTGGCCTGAGACAGAGAAACCCAAAATAACCCTCAAGAGTGCCATGAAGATGGAAAATGGTGATT
CAAGGAATCTCCTGGAGGCAGCCTCTCAGGGCGCATCCTCGTCCATCCCTCTGGTGGCAAACATTGCTGC
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AACTACCAGAGCTGAGTTTTGAGCTCATTGTTCTACATCTTCATGCCCTTCTTTTCATGATGGGAG
TCGACTGGCAAGACAGCTTTATGGTCGCCAAACTCATAGGTTACAAGACATTCTCAATGAATTTGTGGC
TTATGACCACCTCTCAAATTAATCAATTTGAGGAAAGCGGCTGGACCTAAATTTGTGAATGGCGTGCAG
CAATATATGTCAATTCGCTCTGAGACCATCGCAACCTATGCCCTCTGTGGTTTTGCAATTTTGGTTCCC
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GAGAGCCCTGATTGCTGGCACCATTGCCTGCTTATGACAGCCTGCATCGCAGGCATCCTCTGATACC
CCGGTGGATATCAACTGCCATCAGTTCAGAGAACGGCAGAGTACTCAGCAACACAACCGAAGTGGTGT
CTTGTGGCCAAAATCTGTTCAACAGCACTGTTGCCAAGGGACCAATGACGTCTGCCAGGAGGAAACTT
CAGCCTATGCTTTGAAGAGCTGCTGCAACCTGCTGAAACCACCAACGCTGAAGTGAATTTGGATCCCT
AATAAATTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210144 representing NM_022317
Red=Cloning site Green=Tags(s)

MSRADPGKNSEPSKMSLELRPTAPSDLGRSNEAFQDEDLERQNTPGNSTVRNRVVQSGEQGHAKQDDR
 QITIEQEPLGNKEDPEDDSEDEHQKGLERKYDTICEFCRKHVVLRSTIWAFLVIAACAINF
 HRALPLFVITLVITFFVIWDHLMAYEQRIDDFLSPGRRLDRHFWLKWVWSSLILAILWLSLDTAK
 LGQONLVSFGLIMYLILLFLFSKHPTRVYWRPVFWGIGLQFLGLLILRTRPGFVAFDWMGRQVQTFGLG
 YDGTGARFVFGKEYTDHFFAFKILPIVVFSTVMSMLYYLGLMQWIIIRKVGWMLVMTGSSPIESVVAAG
 NIFIGQTESPLLVPYLPHTVTKSELHTIMTAGFATIAGSVLGAYISFGVSSTHLLTASVMSAPAALAVAK
 LFWPETEKPKITLKSAMKENGDSRNLEAASQGASSIPLVANIAANLIAFLALLSFVNSALSWFGSMF
 NYPELSFELICSYIFMPFSFMMGVQDSFMVAKLIGYKTFNEFVAYDHL SKLINRKAAGPKFVNGVQ
 QYMSIRSETIATYALCGFANFGSLGIVIGGLT SIAPSRKRDIASGAMRALIAGTIACFMTACIAGILSDT
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 NKL

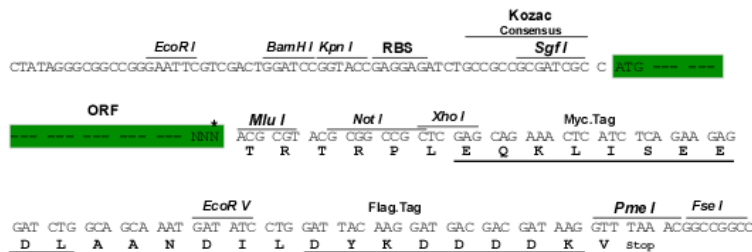
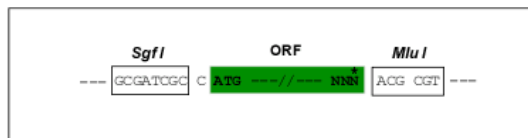
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9013_g04.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_022317

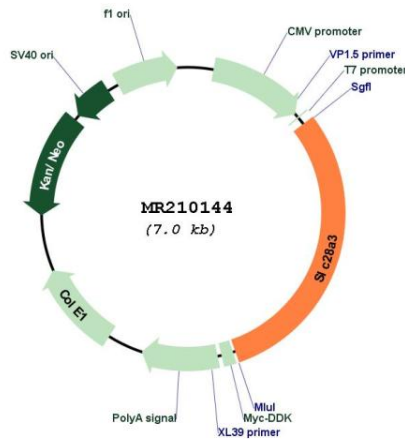
ORF Size: 2109 bp

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:	<ol style="list-style-type: none"> 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:	<u>NM_022317.3, NP_071712.3</u>
RefSeq Size:	4565 bp
RefSeq ORF:	2112 bp
Locus ID:	114304
UniProt ID:	<u>Q9ERH8</u>
Cytogenetics:	13 B1
MW:	78.8 kDa
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]

Product images:



Circular map for MR210144