

Product datasheet for **RG210847**

SLC28A3 (NM_022127) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC28A3 (NM_022127) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC28A3
Synonyms:	CNT3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>RG210847 representing NM_022127
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGCTGAGGAGTACAGCAGCCCCAGAGCTGAGGGCTACAGCAACGTGGGCTCCAGAATGAAGAAA
ACTTTCTTGAGAACGAGAACACATCAGGAAACAACCTCAATAAGAAGCAGAGCTGTCAAAGCAGGGAGCA
CACAAACACCAAACAGGATGAAGAACAGGTCACAGTTGAGCAGGATTCTCCAAGAAACAGAGAACACATG
GAGGATGATGATGAGGAGATGCAACAAAAAGGTTGTTGGAAAGGAGGTATGACACGGTATGTGGTTTCT
GTAGGAAACACAAAAAACAACCTCTCGGCACATCATCTGGGGCATTATTATAGCAGTTATCTGGTTATGGT
GATTTTCGGCTGTGTGCTGAACCTTACAGAGCCCTTCTCTTTTTGTGATCACCGTGGCTGCCATCTTC
TTTGTGTCTGGGATCACCTGATGGCCAAATACGAACATCGAATTGATGAGATGCTGTCTCTGGCAGAA
GGCTTCTAAACAGCCATTGGTTCTGGCTGAAGTGGGTGATCTGGAGCTCCCTGGTCTAGCAGTTATTTT
CTGGTTGGCCTTTGACACTGCCAAATGGGTCAACAGCAGCTGGTGTCTTCGGTGGGCTCATAATGTAC
ATTGTCCTGTTATTTCTATTCTCCAAGTACCCAACAGAGTTTACTGGAGACCTGTCTTATGGGGAAATCG
GGCTACAGTTTCTTCTGGGCTCTTGATTCTAAGGACTGACCCTGGATTTATAGCTTTTGATTGGTTGGG
CAGACAAGTTCAGACTTTTCTGGAGTACACAGATGCTGGTGTTCATTTGTCTTTGGTGAGAAATACAAA
GACCACTTCTTTGCATTAAGGTCTGCCGATCGTGGTTTTCTCAGCACTGTGATGTCCATGCTGTACT
ACCTGGGACTGATGCAGTGGATTATTAGAAAGGTTGGATGGATCATGCTAGTTACTACGGGATCATCTCC
TATTGAATCTGTAGTTGCTTCTGGCAATATATTTGTTGGACAAACGGAGTCTCCACTGCTGGTCCGACCA
TATTTACCTTACATCACCAAGTGAACCTCACGCCATCATGACCGCCGGTTCTCTACCATTGCTGGAA
GGGTGCTAGGTGCATACATTTCTTTGGGTTCCATCTCCACTTGTTAACAGCGTCAGTTATGTCAGC
ACCTGCGTCATTGGCTGCTGCTAAACTCTTTTGGCCTGAGACAGAAAAACCTAAAATAACCTCAAGAAT
GCCATGAAAAATGAAAAGTGGTGATTACAGGAATCTTCTAGAAGCTGCAACACAGGGAGCATCCTCTCCA
TCTCCCTGGTGGCCAACATCGCTGTGAATCTGATTGCCTTCTGGCCCTGCTGTCTTTTGAATTCAGC
CCTGTCTGGTTTGGAAACATGTTTACTACCCACAGCTGAGTTTTGAGCTAATCTGCTCTACATCTTC
ATGCCCTTTCTTTCATGATGGGAGTGGAAATGGCAGGACAGCTTTATGGTTGCCAGACTCATAGTTATA
AGACCTTCTTCAATGAATTTGTGGCTTATGAGCACCTCTCAAAATGGATCCACTGAGGAAAGAAGGTGG
ACCCAAATTTGTAACGGTGTGCAGCAATATATCAATTCGTTCTGAGATAATCGCCACTTACGCTCTC
TGTGGTTTTGCCAATATCGGGTCCCTAGGAATCGTGATCGCGGACTCACATCCATGGCTCCTTCCAGAA
AGCGTGATATCGCTCGGGGACAGTGAAGCTCTGATTGCGGGGACCGTGGCCTGCTTCATGACAGCCTG
CATCGCAGGCATACTCTCCAGCACTCTGTGGACATCAACTGCCATCACGTTTTAGAGAATGCCTTCAAC
TCCACTTCCCTGGAAACACAACCAAGGTGATAGCTTGTGCCAAAGTCTGTTGAGCAGCACTGTTGCCA
AGGGTCTGGTGAAGTCACTCCAGGAGGAAACACAGTCTGTATTCTTTGAAGGGCTGCTGCACATTGTT
GAATCCATCGACCTTAACTGCAATGGGATCTCTAATACATTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG210847 representing NM_022127
 Red=Cloning site Green=Tags(s)

MELRSTAAPRAEGYSNVGFQNEENFLENENTSGNNSIRSRVAVQSREHTNTKQDEEQVTVEQDSPRNREHM
 EDDDEEMQKGCLEERRYDTCVCGFCRKHKTTLRHHIWIWILLAGYLVMVISACVLFNHRALPLFVITVAAIF
 FVVWDHLMAYEHRIDEMLSGRRLLNSHWFWLKWVWSSLVLAIVFWLAFDTAKLGGQQLVSFGGLIMY
 IVLLFLFSKYPTRVYWRPVLWGIGLQFLGLLILRTDPGFIAFDWLGROVQTFLEYTDAGASVFVGEKYK
 DHFFAFKVLPIVVFFSTVMSMLYYLGLMQWIIIRKVGWIMLVTTGSSPIESVVASGNIFVGTQTESPLLVRP
 YLPYITKSELHAIMTAGFSTIAGSVLGAYISFGVPSSHLLTASVMSAPASLAAAKLFWPETEKPKITLKN
 AMKMESGDSGNLLEAATQGASSISLVANIAVNLIAFLALLSFMNSALSWFGNMFDPQLSFELICSYIF
 MPFSFMMGVQDSFMVARLIGYKTFNEFVAYEHLKWIHLRKEGGPKFVNGVQQYISIRSEIIATYAL
 CGFANIGSLGIVIGGLTSMAPSRKRDIASGAVRALIAGTVACFMTACIAGILSSTPVDINCHHVLENAFN
 STFPGNTTKVIACCQSLLSSTVAKGPGVEIPGGNHSLYSLKGCCTLLNPSTFNCNGISNTF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_022127

ORF Size: 2073 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_022127.1](#), [NP_071410.1](#)

RefSeq Size: 2209 bp

RefSeq ORF: 2076 bp

Locus ID: 64078

UniProt ID: [Q9HAS3](#)

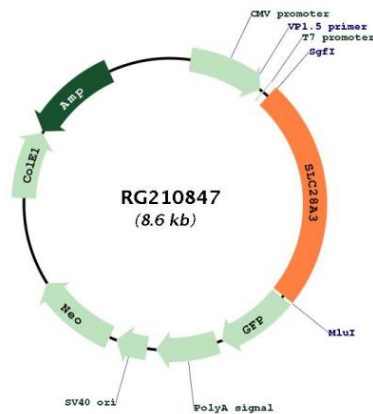
Cytogenetics: 9q21.32-q21.33

Domains: Nucleoside_tra2

Protein Families: Transmembrane

Gene Summary: Nucleoside transporters, such as SLC28A3, regulate multiple cellular processes, including neurotransmission, vascular tone, adenosine concentration in the vicinity of cell surface receptors, and transport and metabolism of nucleoside drugs. SLC28A3 shows broad specificity for pyrimidine and purine nucleosides (Ritzel et al., 2001 [PubMed 11032837]). [supplied by OMIM, Mar 2008]

Product images:



Circular map for RG210847