

Product datasheet for **RG207298**

SLC9C2 (NM_178527) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	SLC9C2
Synonyms:	SLC9A11
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG207298 representing NM_178527
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGAGTTCTTACTTCTGGGCACAAAATGAAAGTAACAGACCTGATTTACTCTGCGGGCAGCCAGCTGACT
ACCTTGTTGAAGAGAAACATTTACAAACGCTTGATGCTTCATTGTTGTTTGGGAGGGCTTTTGAAGAT
GTGTTTAAAGAAATGTGAAGTCATTGTTTGGACGATCTTTCTCTATCAGGATTCGTGATAGGACACATG
GCCTACAATTCTGTTGAGGTGCACCAAAATGTCTACCCTCTTCTAAGAACATCAAGTTTTCACTTTATT
CTTACTTTTACCTTTAATTATTTATGTTGCTTTGGATGTAGAATTTTATACACTCAAGAAAAATGTT
TTGGCAGGTCTTGTTAACTGGATTAATTAGCTTTTCTACAGCAAGCATCATAATTGGATATGTCGTTATA
AAATTCAATAAAGATTCATGGGATTGCAATCTGCCTACTCTTAGCATCACCTTGGCATTATAGATC
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CTTTTCAATGGGTACATGACTTTCTATATTGTGGAATTTTAGGAATGTCAGGCACCTTGCCTTAGCC
GCTGTAGGACTGAATTTAGATTCTTTAACTTTTAAACCGAAGATCGAAGTTGTAATTACTAAGTTCTTAA
GAATTTTTTTCATCTGTATATGAACATTTAATATATGCTTTCTTGGCATTGTGATTGGATGTGGAGAACT
CAGCCACTATGAATTTACACTATACCTTTTCAATTTTATTTACAACAGTGAATTTGGTAAGGTTG
CTTACTATTTTGTAGTGAGCCCTATTTTGTGCAATTTTGAATATAATTGGCGATGGGGAGTTG
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TCTTGCAAAATGCCACTCAGCACATACAGGAGATAGTACAGAACACAATAACTTTATTTAAACAGAAAA
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GTTTCACATAATGATATGAAGACAGAAATCCACAACAGATGAAGCTTTAATGGAGGAAGCCAGATTGCATG



TAGCTGCAATACAAATGAGTAGCTTTGAAAAACAGCGTAACAATGGAATTCCTTGAAATAGAGGCAGCCCC
GATATTAATTTGGTGCAGCAAAATGCTATTACTCCATCCAAGGAAATTCATGAGTATTTATGATGTTTCA
ACTTATATGAGAACTAGAAGTTGGCTTATAAAGTTTAAAAATGTTTAACTTTCTTGAATATTGTATAG
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AAATCTCACCTTCTTTGTTCAAGAGGCATTATTGATAAGCATGAAGTCATTGAGATAAATAAGGTAAT
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GGCTTTGATGCCTTCTGGCCATCTCTGGAATATAAAATATGGCTAAAGCTTGTCTCAGTACTGCCTATC
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TGTGGAACCTTTATCAAGCTATAGTGACATGATTATTGATAATATGACCATGAAATTTGTTATCATTGTG
TATGGCAGTGTAATTGATACTAAGACAGAGGAACCATATTTTGCACCTTGCAATTATACCTACAACCTGTG
AGCAGGTTTCAAGGAACTTCTGATTTAAGCAAGCTGCTGATAATCCAAGCATCTGAGCTTACCCAAAGAAA
TAGTAACACCAATGTCATGGCCTCAGTCAACACGGTCTTTGAACAACAGGAAAGAATATAAATGGAAGA
CAAAAGATGAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG207298 representing NM_178527

Red=Cloning site Green=Tags(s)

MSSYFQAQNESNRPDLLCGQPADYLVEEKHFTTLVCFIVVLGGLLKMCLKNCEVIVLTILSLSGFVIGHM
AYNSVEVHQIVYPLLRSSFSLSYFSPLIIFMVALDVEFYTLKKMFQVLLTGLISFSTASIIIGYVVI
KFNKDSWDLQSCLLFSITLGIIDPLRSVNSLKTIGISKIYIDLIRGESLIICSIASIFFGNFRGNRIHFS
IFRDLHVIGIELSYDILGSIIFGYWCAKIIQCILADVFSNMLTNIILCFSMVYMTFYIVEFLGMSGTLALA
AVGLNLDLSTFKPKIELVITKFLRIFSSVYEHLIYAFFGIVIGCGELSHYEFHTIPFIFILFTTVNLVRL
LTILLVSPILMHSNYEYNWRGVVITWSGIKGVFNLLWAPDVYNLAERKVEVPQMFILYVQVISLLTMGI
NSYVMTQSARKLDLCVLSLPRQMILQNAHQHIEIVQNTITLFTKTEKILTNNWTLVEDKTRIEYIPFSH
VSHNDMKTESTTDEALMEEARLHVAAIQMSSFQQRNNGILEIEAARILIGAACYYSIQGKFMSIYDVS
TYMTRSWLIKFNVLTFLEYCIEKIHFIIPESNTFLTFIFHIVFSEFEYTGQIINLIYIYPMIHLWP
MARGLNVSALISINYYFMFLYVLESTLKIILKRKYFQQCWNTLEFFILVIGIIDIFCVYFVKLRPDNLA
LIQLTVIMGYLRIIRFLPLFKIIVPILIRIADVQIKKRLSLMYSITKGYIKSQEDAKLLIKQIACESIY
QKLCEILETNKQDAVKELVLEMEHGRDVVIALKTKQAIRNVIKALKNLFLCISRGIIDKHEVIEINKVL
LKKLKALNNFPAIPPTPDILYLNIIWLEGKDVLDIFFKERAKLACFDSGDTICKGGEMPQGIYLIISG
MAILHLSPTFGIESNQRCDRGSRDMFTEFTTGDIIIGELSCLLKREIEYTVICETSLQACFISLEDLYE
GFDAFWPSLEYKIWLKLALSTAYQYFESSLIDEDLRFQNCVMFNQAYVETLSSYSDMIIDNMTMKFVIV
YGSVIDTKTEEPYFAPCIPTTCEQVQGTSDLSKLLIIQASELTQRNSNTNVMASVNTVFEQPGKNINGR
QKMS

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_178527

ORF Size: 3372 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_178527.4](#)

RefSeq Size: 4427 bp

RefSeq ORF: 3375 bp

Locus ID: 284525

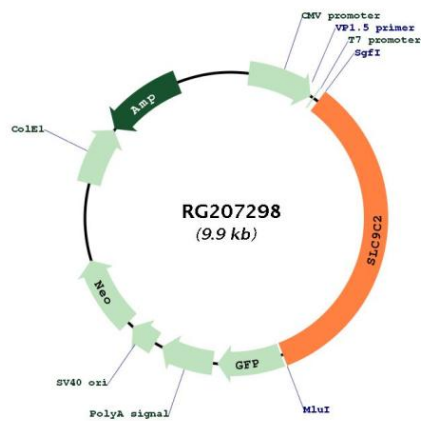
UniProt ID: [Q5TAH2](#)

Cytogenetics: 1q25.1

Protein Families: Transmembrane

Gene Summary: Involved in pH regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG207298