

Product datasheet for **RG234614**

SLC12A9 (NM_001267812) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC12A9 (NM_001267812) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC12A9
Synonyms:	CCC6; CIP1; hCCC6; WO3.3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>RG234614 representing NM_001267812
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACATATAGGGCGGCCGGGAATTCTGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCACGAGAGACTCACTCTGCTGGCTACCGGCTCTGGGGAGGAGAGGGGTTGCCCTCCCTGCCA
ATGGGGCCGGGGTCTGGAGGGGCGTCTGCCGGAAGCTGTCCACCTTCTGGGTGTGGTGGTCCCCAC
TGTCTGTCCATGTTACGATAGTTGTTTTCTGAGGATTGGGTTCGTGGTGGGTATGCTGGGCTACTG
CAGGCCCTGGCCATGCTGCTGGTTGCCTACTTCATCCTGGCACTACCGTCTCTCTGTCTGTGCCATCG
CCACCAATGGAGCCGTGCAGGGGGGCGGAGCCTACTTCATGATCAGCCGACACTGGGGCCCGAGGTCTGG
GGGACGATTGGGCTCATGTTCTACCTGGCTAACGTCTGTGGCTGTGCCGTCTCCCTCTGGGGCTGGT
GAGTCTGTGCTTGATGTCTCGGGGCCGATGCCACAGGGCCAGTGGGCTCCGGGTCTGCCCCAGGGCT
ACGGCTGGAACCTGCTGTATGGCTCCCTGCTGCTGGGCTTGTTGGGTGGGTCTGCACCCTGGGAGCCG
CCTCTATGCCGGGGCTCATTCCTCACATTCTGCTGGTCTCTGGCTCCCTGGCTCTGTGCTCATCAGT
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CCGGTTTGGCACTTCCCGGCTTCAACGACGTAACCTGAAGGACCAATGGGCTGCTATGCTGA
GGACTACACCACGGGAGCCGTGATGAATTTTGCACGCTCTTGCTGTCCTCTTTAACGGCTGTACAGGC
ATCATGGCTGGGGCCAACATGTCAGGGGAGCTGAAGGACCCAGCCGGGCGATCCCTCTGGGCACGATCG
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CCTGCTGCGAGGAAGACTATGGGTTCTTCCGCGCCATCAGCCTGTGGCCCCACTGGTGTGATCGGAATC
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GTGCTGGGCCACGTACCCCTGGGAGACCTCGACTCCCTGCCCTCGGACCCTGTACAGCCGACAGTATGGG
CATGGCTCAGCCTGGTGGACCGTGCCAGGTGAAGGCTTTTGTGGATCAACCTCTCACCTCCGTGCG
CCAGGGGGCTCAGCATCTGCTGCGAATCTCCGGCTCGAGTCTGGGACGCTATTACCTCGGGGATTGAG
TCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

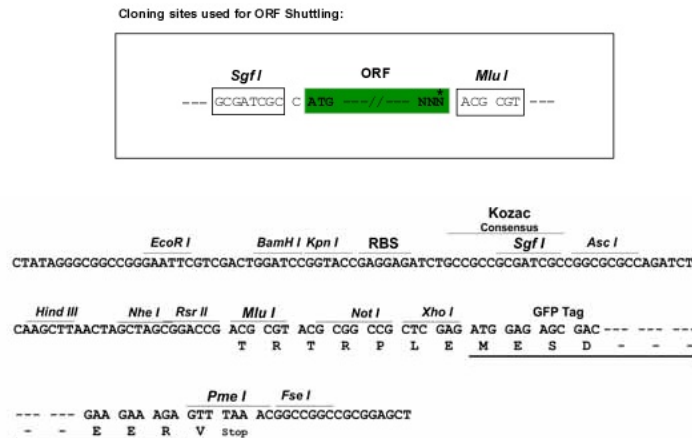
>RG234614 representing NM_001267812
Red=Cloning site Green=Tags(s)

MAESSPLLAYRLLEEVALPANGAGGPGGASARKLSTFLGVVPTVLSMFSIVVFLRIGFVVGHAGLL
QALAMLLVAYFILALTLSVCAIATNGAVQGGGAYFMISRTLGPVEVGSGIGLMFYLANVCGCAVSLLLGLV
ESVLDVFGADATGPSGLRVLPQGYGNLLYGSLLLLGLVGGVCTLGAGLYARASFLTFLLVSGSLASVLIS
FVAVGPRDIRLTPRPGPNGSSLPFRGHFTGFNSSTLKDNLGAGYAEDYTTGAVMNFASVFAVLFGCTG
IMAGANMSGELKDPSRAIPLGTIVAVAYTFFVYVLLFFLSSFTCDRTLQEDYGGFRAISLWPPLVLIGI
YATALSASSSLIGASRIHALARDDLFGVILAPAKVVSRRGNPWAAYVYWSGLVQLVLLAGKLNLTAAV
VTVFYLVAYAADVLSCLSLEWASAPNFRPTFSLSWHTCLLGVASCLLMMFLISPGAAGGSLLLMGLLAA
LLTARGGPSSWGYSQALLFHQVRKYLLRLDVRKDHVKFWRPQLLLL VGNPRGALPLRLANQLKKGGLY
VLGHVTLGDLSLPSDPVQPQYGAWLSLVDRAQVKA FVDLTLSPSVRQGAQHLLRISGLESGTLLPWGFR
S

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001267812

ORF Size: 1893 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_001267812.1](#), [NP_001254741.1](#)

RefSeq Size: 2288 bp

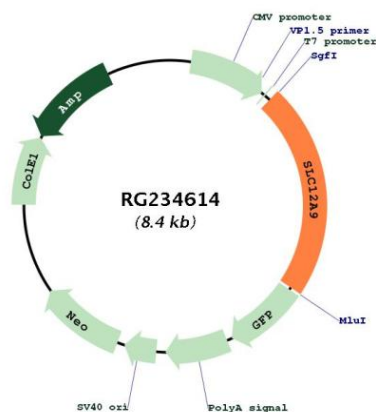
RefSeq ORF: 1896 bp

Locus ID: 56996

UniProt ID: [Q9BXP2](#)

Cytogenetics:	7q22.1
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	May be an inhibitor of SLC12A1. Seems to correspond to a subunit of a multimeric transport system and thus, additional subunits may be required for its function.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG234614