

Product datasheet for **RG218207**

SLC12A8 (NM_024628) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC12A8 (NM_024628) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC12A8
Synonyms:	CCC9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RG218207 representing NM_024628
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCCAGATGTCCAGGTGCAGGAGCTCTTCCATGAGGCAGCCAGCAGGATGCCCTGGCCCAGCCCC
 AGCCCTGGTGGAAGACCCAGCTGTTTCATGTGGGAGCCTGTGCTGTTTGGGACCTGGGATGGTGTGTTTAC
 ATCCTGCATGATCAACATCTTTGGGGTTGTGCTCTTCTGAGGACTGGCTGGCTGGTGGAAACACAGGA
 GTGCTCCTGGGCATGTTCTGGTGTCTTCGTCATCCTGGTGGCCCTCGTCACGGTGTGCTGTGGCATTG
 GCGTCGGGAGCGCAGCAGCATCGGCAGCGGTGGCGTCTACTCCATGATCTCCTCGGTCTGGGTGGGCA
 GACGGGAGGCACCATCGGGCTGCTCTATGTGTTTGGACAGTGTGTTGCAGGTGCCATGTATATACCGGC
 TTTGCTGAATCCATCTCGGATTTGCTGGGCCTCGGGAATATCTGGGCTGTGCGAGGAATTCAGTTGCGG
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 GTTCCTGTGGCGTGTCCACACTGGACTTTGTGGTGGGTCTTTACCCACCTGGACCCAGAACATGGT
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 CAGGGAGCCTGCCCGCAGCATCCCCCTGGGCTCCCTGGCAGCTGTTGGCATCTCGTGTTTCTGTACATC
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 AGGTATCCCTCATGGGCTTCTGTTCTTTGGGCTTATACATCTCGTCCTGGCTTCTGCATGGGAGG
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 TTGTTTTGTGGTCAAGTGAACGTTCTGGCCCCATCGTCACCATCAACTTCATGCTGACATACGTTGC
 AGTGGACTACTCTTACTTCTCCCTGTCCATGTGTTCTGCAAGCCTGACCCCGGTGCCTGAGCCGGTGCTC
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 AGGAAAAGCAAGAAGGCCACCAAGCAGACCCTACAAGATAGCTTCCTCTTGACCTCAAATCCCCTCCTT
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 ATTGGCCGGGCCAGTCCAGGGCTTACCTTGGATCAGCCTCCAACCTTCAGCTTTTTCCGGTGGATGAGGT
 CTCTTTGCTCCCTCCTGCAGGAGCTTGGGTCCCCTCAGGAGCAGATCATCTTGGCGCGTCCCTGGC
 TAAGGTTGACATGGAGATGACTCAGCTCACCCAGGAGAATGCAGACTTCGCCACTCGGGATCGCTACCAC
 CACTCCTCCCTCGTGAACCGGGAGCAGCTGATGCCTCACTAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

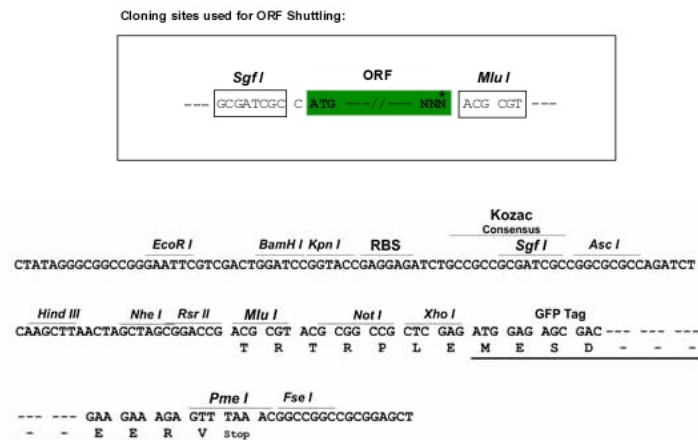
Protein Sequence: >RG218207 representing NM_024628
 Red=Cloning site Green=Tags(s)

MTQMSQVQELFHEAAQQDALAQPPWKTQLFMWEPVLFGTWDGVFTSCMINIFGVVLFLRTGWLVGNTG
 VLLGMFLVSFVILVALVTVLSGIGVGERSSIGSGGVYSMISSVLGGQTGGTIGLLYVFGQCAGAMYITG
 FAESISDLLGLGNIWAVRGISVAVLLALLGINLAGVKWIIRLQLLLLFLAVSTLDFVVGSTHLDPEHG
 FIGYSPELLQNNLTPDYSPGESFFTVFGVFFPAATGVMAGFNMGGDLREPAASIPLGSLAAVGISWFLYI
 VFVFLLAGICTREALRYDFLIAEKVSLMGFLFLLGLYISSLASCMGGLYGAPRILQCI AQEKVIPALACL
 GQKGKPNKTPVAAICTSLVTMAFVFGQVNVLAPIVTINFMLTYVAVDYSYFSLSMCSCSLTPVPEPVL
 REGAELHCSEHLLLEKAPSYGSEGPAQRVLEGTLLLEFTKDMDQLLQLTRKLESSQPRQGEGRNTPESQK
 RKSKKATKQTLQDSFLDLKSPSPFVEISDRLPAAWEGQESCNKQTSKSEGTQPEGTYGEQLVPELC
 NQSESSGEDFFLKSRLEQDVRRTSFYTHMCNPWVSLGAVGSLIMFVIQWVYTLVNMGVAIVFYFY
 IGRASPLHLGSANFSFRWMSRLLLPSCRSLRSPQEII LAPSLAKVDMEMTQLTQENADFATRDYH
 HSSLVNREQLMPHY

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024628

ORF Size: 2142 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.

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

RefSeq: [NM_024628.5](#)

RefSeq Size: 3482 bp

RefSeq ORF: 2145 bp

Locus ID: 84561

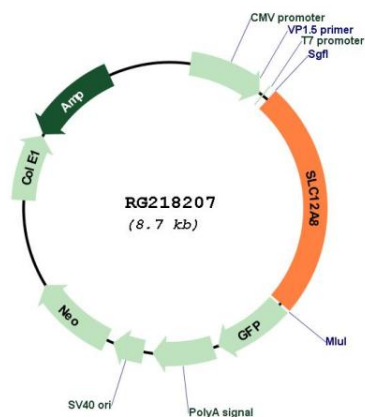
UniProt ID: [A0AV02](#)

Cytogenetics: 3q21.2

Protein Families: Druggable Genome, Transmembrane

Gene Summary: This gene is thought to be a candidate for psoriasis susceptibility. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined. [provided by RefSeq, Sep 2010]

Product images:



Circular map for RG218207