

## Product datasheet for **RG206869**

### SLC17A9 (NM\_022082) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SLC17A9 (NM\_022082) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** SLC17A9  
**Synonyms:** C20orf59; POROK8; VNUT  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG206869 representing NM\_022082  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGACCCTGACAAGCAGGCGCCAGGACAGTCAGGAGGCCAGGCCGAGTGCCAGGCATGGACGGGGACGC  
 TGCTGTGGGCACGTGCCTTCTGTACTGCGCCCGCTCCAGCATGCCATCTGCACCGTCTCCATGAGCCA  
 GGACTTCGGCTGGAACAAGAAGGAGGCCGGCATCGTGCTCAGCAGCTTCTTCTGGGGCTACTGCCTGACA  
 CAGGTTGTGGCGGCCACCTCGGGGATCGGATTGGGGGTGAGAAGGTATCCTGTGCTCAGCCTCTGCCT  
 GGGGCTCCATCAGGCCGTCACCCCACTGCTCGCCACCTGAGCAGTGCCACCTGGCCTTCATGACCTT  
 CTCACGCATCCTCATGGGCTTGCTCCAAGGGGTTACTTCCCTGCCCTGACCAGCCTGCTGTGCGAGAAG  
 GTGCGGGAGAGTGAGCGAGCCTTCACTACAGCATCGTGGGCGCCGGCTCCAGTTTGGGACGCTGCTGA  
 CCGGGGCGGTGGGCTCCCTGCTCCTGGAATGGTACGGCTGGCAGAGCATCTTCTATTTCTCCGGCGGCT  
 CACCTTGCTTTGGGTGTGGTACGTGTACAGGTACCTGCTGAGTGAAAAAGATCTCATCCTGGCCTTGGGT  
 GTCCTGGCCAAAGCCGGCCGGTGTCCAGGCACAGCAGAGTCCCCTGGAGACGGCTTCCGGAAGCCTG  
 CTGTCTGGGCAGCCGTCGTCTCCAGCTCTCTGCAGCTGCTCCTTCTTCATCCTCCTCTCCTGGCTGCC  
 CACCTTCTCGAGGAGACCTTCCCGACGCCAAGGGCTGGATCTCAACGTGGTTCCCTGGTTGGTGCCG  
 ATTCGGCCAGTCTATTCAGCGGTTTCTCTGATCATCTCATCAATCAGGGTTACAGAGCCATCAGCG  
 TGCGGAAGCTCATGCAGGCATGGGCTTGGCCTCTCCAGCGTCTTTGCTCTGTGCTGGGCCACACCTC  
 CAGCTTCTGTGAGTCTGTGGTCTTTGCATCAGCCTCCATCGGCCTCCAGACCTTCAACCACAGTGCCATT  
 TCTGTTAACATCCAGGACTTGGCCCCGCTCTGCGCCGGCTTTCTGTTGGTGTGGCCAACACAGCCGGG  
 CCTTGGCAGGTGCTGTTGGTGTGTCTAGGCGGCTACTTGATG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG206869 representing NM\_022082  
 Red=Cloning site Green=Tags(s)

MTLTSRRQDSQEARPECQAWTGTLLLTCLLYCARSSMPIC TVSMSQDFGWNKKEAGIVLSSFFWGYCLT  
 QVVGGHLGDRIGGEKVILL SASAWGSITAVTPLL AHLSSAHLAFMTFSRILMGLLQGVYFPALTSLLSQK  
 VRESERAFYTSIVGAGSQFGTLLTGAVGSLLEWYGWQSI FYFSGGLTLLWWVYVRYLLSEKDLILALG  
 VLAQSRPVSRRSRVPWRRLFRKPAVWAAVVSQLSAACSFFILLSWLPTFFETFPDAKGWIFNVVPLVA  
 IPASLFSGFLSDHLINQGYRAITVRKLMQGMGLGLSSVFALCLGHTSSFCEVVFASASIGLQTFNHSGI  
 SVNIQDLAPSCAGFLFGVANTAGALAGVVGVC LGGYLM

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_022082

**ORF Size:** 1164 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\\_022082.2](#), [NP\\_071365.2](#)

**RefSeq Size:** 2612 bp

**RefSeq ORF:** 1311 bp

**Locus ID:** 63910

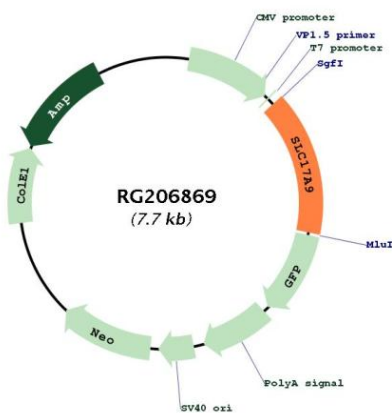
**UniProt ID:** [Q9BYT1](#)

**Cytogenetics:** 20q13.33

**Protein Families:** Transmembrane

**Gene Summary:** This gene encodes a member of a family of transmembrane proteins that are involved in the transport of small molecules. The encoded protein participates in the vesicular uptake, storage, and secretion of adenosine triphosphate (ATP) and other nucleotides. A mutation in this gene was found in individuals with autosomal dominant disseminated superficial actinic porokeratosis-8. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2014]

### Product images:



Circular map for RG206869