

## Product datasheet for **RG207643**

### SLC39A11 (NM\_139177) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SLC39A11 (NM\_139177) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** SLC39A11  
**Synonyms:** C17orf26; ZIP-11; ZIP11  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG207643 representing NM\_139177  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTCCAAGGCCACAGCTCTGTGTTCCAGGCCTTGCTGGGGACCTTCTTCACCTGGGGGATGACAGCAG  
CTGGGGCAGCTCTCGTGTTCGTATTCTCTAGTGGACAGAGGGGATCTTAGATGGAAGTCTTGGCTTTGC  
TGCAGGGGTCATGTTGGCAGCTTCTATTGGTCTCTTGGCCCCAGCAGTTGAGATGGCCACGTCCTCT  
GGGGGCTTCGGTGCCTTTGCCTTCTCCCTGTGGCTGTTGGCTTACCCTTGGAGCGCTTTTGTCTACT  
TGGCTGACCTCCTGATGCCTCACTTGGGTGCAGCAGAAGACCCCCAGACGGCCCTGGCACTGAACCTCGG  
CTCTACGTTGATGAAGAAGAAGTCTGATCCTGAGGGTCCCAGCGCTGCTCTCCCTGAGAGTGAACTTCC  
ATCCGGATAGACAAGAGTGAGAATGGTGAAGCATATCAGAGAAAAGAGCGGCAGCCACTGGCCTTCCAG  
AGGGTCTGCTGTCCCTGTGCCTTCTCGAGGGAATCTGGCACAGCCCGCGGCAGCAGCTGGAGGAGGAT  
CGCACTGCTCATCTTGGCCATCACTATACACAACGTTCCAGAGGGTCTCGCTGTTGGAGTTGGATTTGGG  
GCTATAGAAAAGACGGCATCTGCTACCTTTGAGAGTGCCAGGAATTTGGCATTGGAATCGGGATCCAGA  
ATTTCCCCGAGGGCCTGGCTGTGAGCCTTCCCTTGGCAGGGGAGGCTTCTCCACTGGAGAGCTTTCTG  
GTATGGGCAGCTGAGCGGCATGGTGGAGCCCCTGGCCGGGTCTTTGGTGCCTTTGCCGTGGTGTGGCT  
GAGCCCCATCCTGCCCTACGCTCTGGCCTTTGCTGCCGGTGCCATGGTCTACGTGGTCACTGGACGACATCA  
TCCCCGAAGCCCAGATCAGTGGTAATGGGAACTGGCATCTGGCCCTCCATCCTGGGATTTGTAGTGAT  
GATGCTCACTGGACGTTGGCTGGGC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >RG207643 representing NM\_139177  
 Red=Cloning site Green=Tags(s)

MLQGHSSVFQALLGFTFTWGMTAAGAALVVFVSSGQRRILDGSLGFAAGVMLAASYWSLLAPAVEMATSS  
 GGFGAFAFFPVAVGFTLGAAFVYLADLLMPHLGAAEDPQTALALNFGSTLMKKKSDPEGPALLFPESELS  
 IRIDKSENGEAYQRKKAATGLPEGPVPVPSRGNLAQPGSSWRRRIALLILAITIHNVPEGLAVGVGFG  
 AIEKTASATFESARNLAIGIGIQNFPEGLAVSLPLRGAGFSTWRAFVYQQLSGMVEPLAGVFGAFVFLA  
 EPILPYALFAAGAMVYVVMDDIIPFAQISGNGKLASWASILGFVVMMSLDVGLG

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_139177

**ORF Size:** 1005 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\\_139177.2](#), [NP\\_631916.1](#)

**RefSeq Size:** 2800 bp

**RefSeq ORF:** 1008 bp

**Locus ID:** 201266

**UniProt ID:** [Q8N1S5](#)

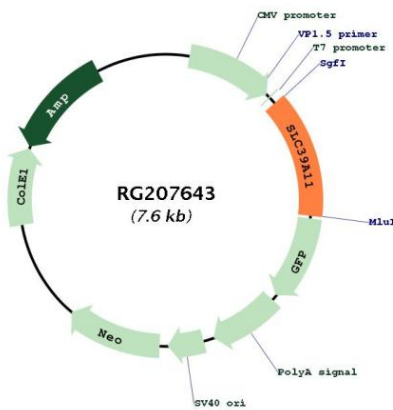
**Cytogenetics:** 17q24.3-q25.1

**Domains:** Zip

**Protein Families:** Transmembrane

**Gene Summary:** Functions as a cellular zinc transporter.[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for RG207643