

## Product datasheet for **RG215780**

### SLC35F4 (NM\_001080455) Human Tagged ORF Clone

#### Product data:

|                           |                                               |
|---------------------------|-----------------------------------------------|
| Product Type:             | Expression Plasmids                           |
| Product Name:             | SLC35F4 (NM_001080455) Human Tagged ORF Clone |
| Tag:                      | TurboGFP                                      |
| Symbol:                   | SLC35F4                                       |
| Synonyms:                 | C14orf36; c14_5373                            |
| Mammalian Cell Selection: | Neomycin                                      |
| Vector:                   | pCMV6-AC-GFP (PS100010)                       |
| E. coli Selection:        | Ampicillin (100 ug/mL)                        |



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**ORF Nucleotide Sequence:**

>RG215780 representing NM\_001080455  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGATGAACACTCTTGGATCTCTCCACAACTGACCAGTGGGAGGCAGCTGGCAGCAGGCAATGGGC  
 TTTGCGGTATATCACATAAGGAACAGGAGGTATGGAAGCCAGGACATAATATTTTGTGAAAATGAGAAA  
 GGAAGATAAACTACTGGTGTGGCTTATACATTCAACACTTGCTCGCTACACACAAGTTACCAACTTTTTA  
 GGTACCTCCAGATCATCAGTCACTAGATGTAAACCAGGAGCCAACTGCCCCAGTTCACACAGTGGCATCA  
 GTAGACAACTGTCCCACTGTCTGTACCGAAGATTCTCTGCTCCTATTCTTGAACCTCAAAACCAAGG  
 ATCCTCAGGAGTTTGTGGACACAGAGTTGAGAGACAGAACAGATCAGCAGACGATGGGACACAGACTCAT  
 TCTGAGAACAGCAGCCAAGAAAACAGAATCAAGGCTCGCTGCCTGCTCCTGCACGTCCATGGTTCTGAAGG  
 GCATCTGGGGACTCTTGATCATCTTGTCACTATCATCATCTTGGGTTGGAACACACAGATTGAAAAAT  
 TACTTATAAGAACTTCTATTGCCATTTTTTCATGACTTGGTTTTCAACAACTGGAACATTATGTTTTTC  
 CCACTCTATTATTCTGGTCATCTAGCCACTGCTCAAGAAAAGCAATCTCCAATGAAAAAATTCAGGGAAT  
 GCAGTCGGATTTTTGGTGAAGATGGTCTGACGCTGAAACTCTTTCTTAAAGAACTGCTCCCTTTTCTAT  
 TCTATGGACTTTGACTAATTACCTTTATTTACTGGCTTTAAAGAACTGACGGCCACGGATGCTCCGCT  
 CTGTTCTGTTGTAACAAAGCCTTTGCTCTTCTGCTGTCATGGATTGTGCTGAAAGACAGGTTTATGGGAG  
 TGAGGATAGTTGCTGCAATAATGGCAATTACCGGCATTGTCTATGATGGCATATGCAGATAATTTCCACGC  
 TGATTCATCATAGGAGTGGCATTGCGGTGGGCTCAGCCTCTACATCTGCATTATATAAGGCTCTGTTT  
 AAAATGTTTCTTGAAGTGCCAACTTTGGGGAAGTGCACACTTTGTCTCCACCTTGGGTTTCTTCAATT  
 TGATCTTCATCTCCTTCACCCAGTCATCTTGTATTTACCAAGGTGGAGCACTGGTCTCTTTTGTCTGC  
 TCTGCCATGGGGCTGTCTCTGTGGGATGGCAGGGCTGTGGCTGGCCTTCAACATCCTGGTGAATGTTGGG  
 GTGGTGTGACATACCAATCCTAATCTCCATTGGGACAGTGTCTCAGCGTTCTGGAAATGCAGCTGTGG  
 ATCTCCTAAAGCAGGAGGTGATTTCAATGTTGTCCGCCTGGCTGCTACCATCATCATCTGCATTGGGTT  
 TCTGCTGATGCTGTTGCCTGAGGAATGGGATGAAATCACCTGAGGTTTCAACAGCCTGAAGGAAAAG  
 AAGAGTGAGGAGCATGTGGATGATGTACTGATCCAGCATACACCTGCGGGGCAGAGGCAGAGCCAATG  
 GGACAGTGTCTATACCACTGGCT

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>RG215780 representing NM\_001080455  
 Red=Cloning site Green=Tags(s)

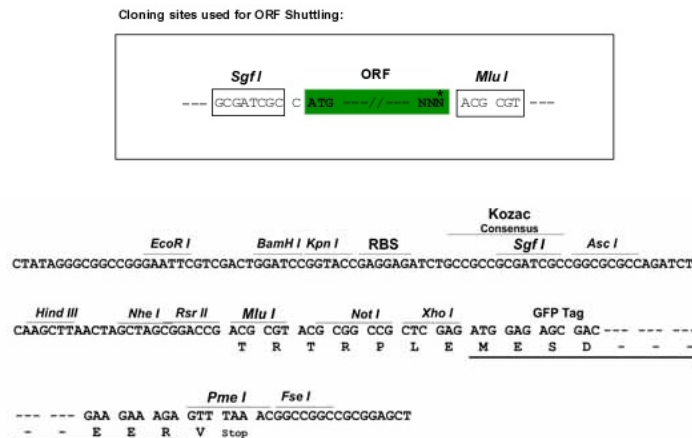
MDELLLDLFHKLTSGRQLAAGNGLCGISHKEQEVWKPQHNLVKMRKEDKSLVWLIHSTLARYTQVTNFL  
 GTSRSSVTRCKPGANCPSSHSGISRQLSPLSVTEDSSAPILELQNGSSGVCGRHVRQNRSADDTQTH  
 SENSSQENRIKARCLSCTSMVLKGIWGLLIILSVSSSWVGTTQIVKITYKNFYCPFFMTWFTSNWNIMFF  
 PVYYSGHLATAQEKQSPMKKFRCSRIFGEDGLTLKLFLKRTAPFSILWTLTNYLYLLALKKLATDVSA  
 LFCCNKAFVFLSWIVLKDRFMGVRIVAAIMAITGIVMMAYADNFHADSIIGVAFVGSASTSALYKVL  
 KMFLGSANFGEAAHFVSTLGGFNLIIFISFTPVILYFTKVEHWSSFAALPWGCLCGMAGLWLA FNILVNVG  
 VVLTYPILISIGTVLSVPGNAAVDLLKQEVIFNVVRLAATIIICIGFLLMLLPEEWEITLRFINSLKEK  
 KSEEHVDDVTDPSIHLRGRGRANGTVSIPLA

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

## Cloning Scheme:



ACCN: NM\_001080455

ORF Size: 1563 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\\_001080455.1](#), [NP\\_001073924.1](#)

RefSeq Size: 1779 bp

RefSeq ORF: 1565 bp

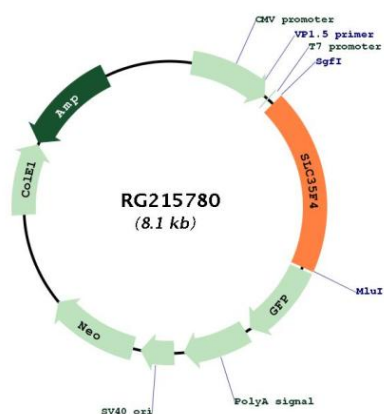
Locus ID: 341880

Cytogenetics: 14q22.3-q23.1

Protein Families: Transmembrane

Gene Summary: Putative solute transporter.[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for RG215780