

## Product datasheet for **RG204316**

### SLC35C2 (NM\_173073) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SLC35C2 (NM\_173073) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** SLC35C2  
**Synonyms:** BA394O2.1; C20orf5; CGI-15; OVCOV1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG204316 representing NM\_173073  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGGAGGTGGGCCCTCGATGTGGCCTTTTTGTGGAAGGCGGTGTTGACCCTGGGGCTGGTGCTTCTCT  
 ACTACTGCTTCTCCATCGGCATCACCTTCTACAACAAGTGGCTGACAAAGAGCTTCCATTTCCCCTCTT  
 CATGACGATGCTGCACCTGGCCGTGATCTTCTCTTCTCCGCCCTGTCCAGGGCGCTGGTTCAGTGCTCC  
 AGCCACAGGGCCCGTGTGGTGTGAGCTGGGCCGACTACCTCAGAAGAGTGGCTCCACAGCTCTGGCGA  
 CGGCGCTTGACGTGGGCTTGCCAAGTGGAGCTTCTGTATGTCACCGTCTCGCTGTACACAATGACCAA  
 ATCCTCAGCTGTCTTTCATCTTGATCTTCTCTGATCTTCAAGCTGGAGGAGCTGTCCACACAGTTC  
 AACGTGGAGGGCTTCGCCTTGGTGTGGGGCCTCGTTTCATCGGTGGCATTTCGCTGGACCCTCACCCAGA  
 TGCTCCTGCAGAAGGCTGAACTCGGCCTCCAGAATCCCATCGACACCATGTTCCACCTGCAGCCACTCAT  
 GTTCTGGGGCTCTTCCCTCTCTTTGCTGATTTGAAGGTCTCCATTTGTCCACATCTGAGAAAACTTC  
 CGTTTCCAGGACACAGGGCTGCTCCTGCGGGTACTTGGGAGCCTCTTCTTGGCGGGATTCTCGCCTTTG  
 GTTTGGCTTCTCTGAGTTCTCCTGGTCTCCAGAACCTCCAGCCTCACTCTCTCATTGCCGGCATT  
 TAAGGAAGTCTGCACTTTGCTGTTGGCAGCTCATCTGCTGGGCGATCAGATCAGCCTCCTGAACTGGCTG  
 GGCTTCCGCTCTGCCTCTCGGGAATATCCCTCCAGTTGCCCTCAAAGCCCTGCATTCCAGAGGTGATG  
 GTGGCCCCAAGGCTTGAAGGGGCTGGGCTCCAGCCCCGACCTGGAGCTGCTGCTCCGGAGCAGCCAGCG  
 GGAGGAAGGTGACAATGAGGAGGAGGAGTACTTTGTGGCCAGGGCAGCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG204316 representing NM\_173073  
 Red=Cloning site Green=Tags(s)

MGRWALDVAFLWKAVLTLGLVLLYYCFSIGITFYNKWLTksfHFPLFMTMLHLAVIFLFSALSRLVQCS  
 SHRARVLSWADYLRRVAPTALATALDVGLSNWSFLYVTVSLYTMKSSAVLFILIFSLIFKLEELSTQF  
 NVEGFALVLGASFIGGIRWTLTQMLLQKAELGLQNPIDTMFHLQPLMFLGLFPLFAVFEGHLSTSEKIF  
 RFQDTGLLLRVLGSLFLGGILAFGLGFSEFLLVSRTSSLTL SIAGIFKEVCTLLLAHLLGDQISLLNWL  
 GFALCLSGISLHVALKALHSRGGGPKALKGLGSSPDLELLLRSSQREEGDNEEEYFVAQGQQ

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_173073

**ORF Size:** 1032 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\\_173073.4](#)

**RefSeq Size:** 2203 bp

**RefSeq ORF:** 1035 bp

**Locus ID:** 51006

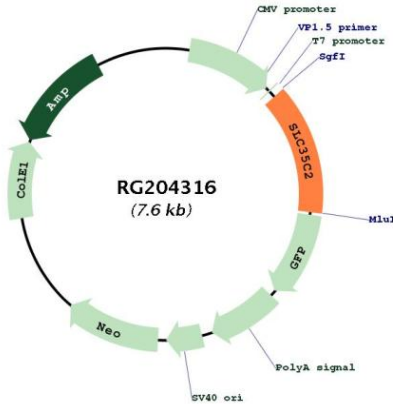
**UniProt ID:** [Q9NQQ7](#)

**Cytogenetics:** 20q13.12

**Protein Families:** Druggable Genome, Transmembrane

**Gene Summary:** This gene encodes a member of the triose-phosphate transporter protein family. This gene is regulated by oxygen tension, is induced in hypoxic trophoblast cells, and is overexpressed in ovarian cancer. Alternative splicing results in multiple transcript variants. A pseudogene of this gene has been defined on the X chromosome. [provided by RefSeq, Jul 2013]

### Product images:



Circular map for RG204316