

## Product datasheet for **RG234258**

### SLC19A1 (NM\_001205206) Human Tagged ORF Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | SLC19A1 (NM_001205206) Human Tagged ORF Clone                          |
| Tag:                      | TurboGFP   |
| Symbol:                   | SLC19A1  |
| Synonyms:                 | CHMD; FOLT; hRFC; hSLC19A1; IFC-1; IFC1; MEGAF; REFC; RFC; RFC1; RFT-1 |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pCMV6-AC-GFP (PS100010)  |
| E. coli Selection:        | Ampicillin (100 ug/mL)   |



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**ORF Nucleotide Sequence:**

>RG234258 representing NM\_001205206  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGTGCCTCCAGCCCAGCGGTGGAGAAGCAGGTGCCCGTGAACCTGGGCCTGACCCCGAGCTCCGGT  
 CCTGGCGGCACCTCGTGTGCTACCTTTGCTTCTACGGCTTCATGGCGCAGATACGCCAGGGGAGAGCTT  
 CATCACCCCTACCTCCTGGGGCCGACAAGAATTACGCGGGAGCAGGTCACGAACGAGATCACGCCG  
 GTGCTGTCTACTCTACCTGGCCGTGCTGGTGCCTGTTCTGCTCACCGACTACCTGCGCTACACGC  
 CGGTGCTGCTGCTGCAGGGGCTCAGCTTCGTGTCGGTGTGGTGTGCTGCTGCTGGGCCACTCGGTGGC  
 GCACATGCAGCTCATGGAGCTTCTACAGCGTCACCATGGCCGCGGCATCGCCTATTCTCTACATC  
 TTCTCTCGTGCGGCCGCGCTACCAGCGTGTGGCCGGCTACTCGCGCGTGCGGTGTGCTGGGCG  
 TGTTACCAGCTCCGTGTGGCCAGCTGCTGGTCACTGTGGCCGAGTCTCTTCTCCAGCTCAACTA  
 CATCTCGTGGCCTTCTCACCTTCAGCGTGGTCTCGCCCTTCTCTGAAGCGCCCAAGCGCAGCCTC  
 TTCTTCAACCGCGACGACCGGGGCGGTGCGAAACCTCGGCTTCGGAGCTGGAGCGCATGAATCCTGGCC  
 CAGGCGGGAAGCTGGGACACGCCCTGCGGGTGGCTGTGGGGACTCAGTGTGGCGCGGATGCTGCGGGA  
 GCTGGGGACAGCCTGCGGCGGCCGAGCTGCGCCTGTGGTCCCTCTGGTGGGTCTTCAACTCGGCCGCG  
 TACTACCTGGTGGTCTACTACGTGCACATCCTGTGGAACGAGGTGGACCCACCACCAACAGTGCAGCGG  
 TCTACAACGGCGCGCAGATGCTGCCTCCACGCTGCTGGGCGCCATCACGTCCTTCGCGCGGGCTTCGT  
 GAAGATCCGCTGGGCGCGCTGGTCCAAGCTGCTCATCGCGGGCGTCACGGCCACGAGCGGGGCTGGTC  
 TTCCTTGGCGCACACGCGCCACCCGAGCAGCATCTGGCTGTGCTATGCGGCCCTCGTGTGTTCCGCG  
 GCTCTACCAGTTCCTCGTGCCTCGCCACCTTTCAGATTGCATCTTCTGTCTAAAGAGCTGTGTC  
 CCTGGTCTTCGGGGTCAACACGTTCTTTGCCACCATCGTCAAGACCATCATCACTTTCATTGTCTCGGAC  
 GTGCGGGGCTGGGCTCCCGTCCGCAAGCAGAATGAAGAAGTGCATGTGGCTTCTGTCTCTGTGGA  
 AAAGCCATCTCAGGTTGGCGGCAGACACATTGTATCAGAGGGGAGCAGCGGCTCTGGTCTCGGAGCTG  
 GTTCTCTCTCCACCCTAAGGGCAGCCCTCCATGGTCTGTCTGTCTTCTGAAGTGTGCCATCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>RG234258 representing NM\_001205206  
 Red=Cloning site Green=Tags(s)

MVPSSPAVEKQVPVEPGDPPELRSWRHLVCYLCFYGFMAQIRPGESFITPYLLGPDKNFTREQVTNEITP  
 VLSYSYLAVLVPVFLLDYLRYPVLLQLSFSVWLLLLLGHSAHMQLMELFYSVTMAARIAYSSYI  
 FSLVRPARYQRVAGYSRAAVLLGVFTSSVLGQLLVTVGRVSFSTLNYISLAFLTFSVLALFLKRPKRS  
 FFNRDDRGRCETSASELERMNPGGKLGHALRVACGDSVLARMLRELGDRLRRQLRLWLVWFNSAG  
 YYLVVYVHILWNEVDPTTNSARVYNGAADAASLLGAI TSFAAGFVKIRWARWSKLLIAGVTATQAGLV  
 FLLAHRHPSSIWLCYAAFVLFGRSYQFLVPIATFQIASSLSKELCALVFGVNTFFATIVKTIITFIVSD  
 VRGLGLPVRKQNEELHVASLSLWKSRLAADTLSSSESSSGSPRSWFLSPTLRAALHGPVPCSEVCP

TRTRPLE – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001205206

**ORF Size:** 1467 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\\_001205206.3](#)

**RefSeq Size:** 1885 bp

**RefSeq ORF:** 1470 bp

**Locus ID:** 6573

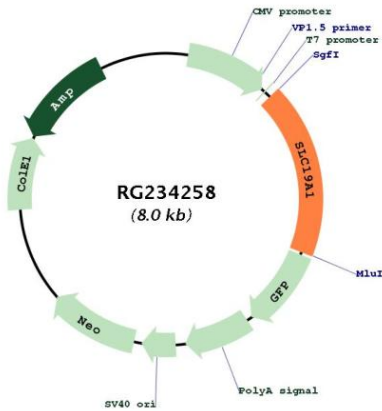
**UniProt ID:** [P41440](#)

**Cytogenetics:** 21q22.3

**Protein Families:** Stem cell - Pluripotency, Transmembrane

**Gene Summary:** The membrane protein encoded by this gene is a transporter of folate and is involved in the regulation of intracellular concentrations of folate. Three transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Mar 2011]

**Product images:**



Circular map for RG234258