

## Product datasheet for **SC307578**

### SLC19A1 (NM\_194255) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC19A1 (NM_194255) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC19A1
Synonyms:	CHMD; FOLT; hRFC; hSLC19A1; IFC-1; IFC1; MEGAF; REFC; RFC; RFC1; RFT-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC307578 representing NM\_194255.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGTGCCTCCAGCCCAGCGGTGGAGAAGCAGGTGCCGTGGAACCTGGGCTGACCCCGAGCTCCGG
TCTTGGCGGCACCTCGTGTGCTACCTTTGCTTCTACGGTTTCATGGCGCAGATACGGCCAGGGGAGAGC
TTCATCACCCCTACCTCCTGGGGCCGACAAGAACTTACGCGGGAGCAGGTACGAACGAGATCACG
CCGGTGTGTCGTACTCTACCTGGCCGTGCTGGTGCCCGTGTTCCTGCTCACCGACTACCTGCGCTAC
ACGCCGGTGTGCTGCTGCAGGGGCTCAGCTTCGTGTCGGTGTGGCTGCTGCTGCTGGGCCACTCG
GTGGCGCACATGCAGCTCATGGAGCTTCTACAGCGTACCATGGCCGCGCGCATCGCCTATTCCTCC
TACATCTTCTCTCGTGCGGCCGCGCGCTACCAGCGTGTGGCCGGCTACTCGCGCGTGCAGTGTGCTG
CTGGCGTGTTCACCAGCTCCGTGCTGGCCAGCTGCTGGTCACTGTGGCCGAGTCTCCTTCTCCAGC
CTCAACTACATCTCGCTGGCCTTCTCACCTTCAGCGTGGTCTCGCCCTTCTCCTGAAGCGCCCAAG
CGCAGCCTTCTTCAACCGCGACGACCGGGGGCGGTGCGAAACCTCGGCTTCGGAGCTGGAGCGCATG
AATCTTGGCCAGCGGGGAAGCTGGGACACGCCCTGCGGGTGGCCTGTGGGGACTCAGTGTGGCGCGG
ATGCTGCGGGAGCTGGGGGACAGCCTGCGCGGCCGAGCTGCGCCTGTGGTCCCTCTGGTGGGTCTTC
AACTCGGCCGGCTACTACCTGGTGGTCTACTACGTGCACATCCTGTGGAACGAGGTGGACCCACCACC
AACAGTGCAGCGGGTCTACAACGGCGCGGAGATGCTGCCCTCCACGCTGCTGGGCGCCATCACGCTCTC
GCCCGGGCTTCGTGAAGATCCGCTGGGCGCGCTGGTCCAAGTCTCATCGCGGGCGTACAGGCCACG
CAGGCGGGGTGGTCTTCTTCTGGCGCACACGCGCCACCCGAGCAGCATCTGGCTGTGCTATGCGGCC
TTCGTGCTGTTCGCGGGCTCTACCAGTTCCTCGTGGCCATCGCCACCTTTCAGATTGCATCTTCTCTG
TCTAAAGAGCTCTGTGCCCTGGTCTTCGGGGTCAACAGTTCCTTGGCCACCATCGTCAAGACCATCATC
ACTTTCATTGTCTCGGAGTGCAGGGCCCTGGGCCCTCCCGTCCGCAAGCAGTTCAGTTATACTCGGTG
TACTTCTGATCCTGTCCATCATCTACTTCTTGGGGCCATGCTGGATGGCTGCGGCACTGCCAGCGG
GGCCACCACCCGCGCAGCCCCGGCCAGGGCCTGAGGAGTGCCGCGGAGGAGAAGGCAGCACAGGCA
CTGAGCGTGCAGGACAAGGGCTCGGAGGCTGCAGCCAGCCAGAGCCCGCGCTTCCCCAGAAGAC
AGCCTGGGGGCTGTGGGGCCAGCCTCCCTGGAGCAGAGACAGAGCGACCCATACCTGGCCAGGCCCG
GCCCGCAGCGAGCTGAATTCTGAGCCAGTACAACCCCTTCCCCTGCACTGTGCTCCGCCCAA
GCCTCAGGCCCTGAGGCTGCAGATGAGACTTGTCCCAGCTGGTGTCCATCCTCCTGGTGCAGCAAG
CTGGGTTTGCAGTGTCTCCAAGCGACGGTGTTCAGAATGTGAACAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
```

- Restriction Sites:** Sgfl-Mlul
- Plasmid Map:** □
- ACCN:** NM\_194255
- Insert Size:** 1776 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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\\_194255.2](#)

**RefSeq Size:** 2873 bp

**RefSeq ORF:** 1776 bp

**Locus ID:** 6573

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

**Cytogenetics:** 21q22.3

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

**MW:** 64.9 kDa

**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]  
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).