

Product datasheet for **RC234258**

SLC19A1 (NM_001205206) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC19A1 (NM_001205206) Human Tagged ORF Clone
Tag:	Myc-DDK
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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ORF Nucleotide Sequence:

>RC234258 representing NM_001205206
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTGCCTCCAGCCCAGCGGTGGAGAAGCAGGTGCCCGTGAACCTGGGCCTGACCCCGAGCTCCGGT
 CCTGGCGGCACCTCGTGTGCTACCTTTGCTTCTACGGCTTCATGGCGCAGATACGCCAGGGGAGAGCTT
 CATCACCCCTACCTCCTGGGGCCGACAGAAGTTCACGCGGGAGCAGGTCACGAACGAGATCACGCCG
 GTGCTGTCTACTCTACCTGGCCGTGCTGGTGCCTGTTCTGCTCACCGACTACCTGCGCTACACGC
 CGGTGCTGCTGCTGACAGGGGCTCAGCTTCGTGTCGGTGTGGTGTGCTGCTGCTGGGCCACTCGGTGGC
 GCACATGCAGCTCATGGAGCTTCTACAGCGTCACCATGGCCGCGGCATCGCCTATTCTCTACATC
 TTCTCTCGTGGGCCCGCGCTACCAGCGTGTGGCCGGCTACTCGCGCGTGGGTGCTGCTGGGGC
 TGTTACCAGCTCCGTGCTGGCCAGCTGCTGGTCACTGTGGCCGAGTCTCCTTCTCCAGCTCAACTA
 CATCTCGTGGCCTTCTCACCTTCAGCGTGGTCTCGCCCTTCTCTGAAGCGCCCAAGCGCAGCCTC
 TTCTTCAACCGCAGACCGGGGGCGGTGCGAAACCTCGGCTTCGGAGCTGGAGCGCATGAATCCTGGCC
 CAGGCGGGAAGCTGGGACACGCCCTGCGGGTGGCTGTGGGGACTCAGTGTGGCGCGGATGCTGCGGGA
 GCTGGGGACAGCCTGCGGCGGCCGAGCTGCGCCTGTGGTCCCTCTGGTGGGTCTTCAACTCGGCCGGC
 TACTACCTGGTGGTCTACTACGTGCACATCCTGTGGAACGAGGTGGACCCACCACCAACAGTGCAGCGG
 TCTACAACGGCGCGCAGATGCTGCCTCCACGCTGCTGGGCGCCATCACGTCCTTCGCCCGGGGCTTCGT
 GAAGATCCGCTGGGCGCGCTGGTCCAAGCTGCTCATCGCGGGCGTCACGGCCACGAGCGGGGCTGGTC
 TTCCTTGGCGCACACGCGCCACCCGAGCAGCATCTGGCTGTGCTATGCGGCCCTTCGTGCTGTTCCGCG
 GCTCCTACCAGTTCCTCGTGGCCATCGCCACCTTTCAGATTGCATCTTCTGTCTAAAGAGCTCTGGC
 CCTGGTCTTCGGGGTCAACACGTTCTTTGCCACCATCGTCAAGACCATCATCACTTTCATTGTCTCGGAC
 GTGCGGGGCTGGGCTCCCGGTCCGCAAGCAGAATGAAGAAGTGCATGTGGCTTCTGTCTCTGTGGA
 AAAGCCATCTCAGGTTGGCGGCAGACATTGTATCAGAGGGGAGCAGCGGCTCTGGTCTCGGAGCTG
 GTTCTCTCTCCACCCTAAGGGCAGCCCTCCATGGTCTGTCTGTCTTCTGAAGTGTGTCATCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC234258 representing NM_001205206
 Red=Cloning site Green=Tags(s)

MVPSSPAVEKQVPVEPGDPELRSWRHLVCYLFCYGFMAQIRPGESFITPYLLGPDKNFTREQVTNEITP
 VLSYSYLAVLVPVFLLDYLRYPVLLQLGSLFVSVWLLLLLGHVVAHMLMELFYSVTMAARIAYSSYI
 FSLVRPARYQRVAGYSRAAVLLGVFTSSVLGQLLVTVGRVFSSTLNYISLAFLTFVSVLALFLKRPKRS
 LFFNRDDRGRCEASAELERMNPGPGKLGHALRVACGDSVLARMLRELGDRLRRPQLRLWSLWVFN
 SAGYYLVVYVYVHILWNEVDPTTNSARVYNGAADAASTLLGAITSFAAGFVKIRWARWSKLLIAGVTATQAGLV
 FLLAHRHPSSIWLCYAAFVLFVFRGSYQFLVPIATFQIASSLSKELCALVFGVNTFFATIVKTIITFIVSD
 VRGLGLPVRKQNEELHVASLSLWKSRLAADTLSSSESSSGSPRSWFLSPTLRAALHGPVCPSEVCP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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](#)

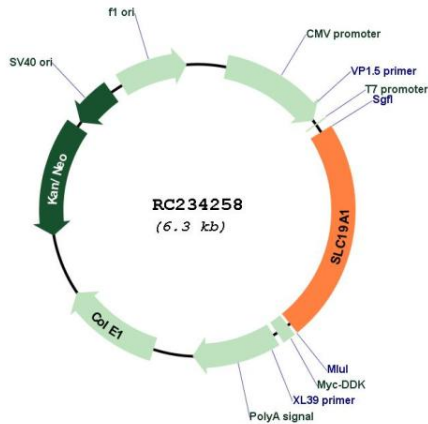
Cytogenetics: 21q22.3

Protein Families: Stem cell - Pluripotency, Transmembrane

MW: 54.7 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]

Product images:



Circular map for RC234258