

Product datasheet for **RC223799**

SLC35F3 (NM_173508) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC35F3 (NM_173508) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC35F3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC223799 representing NM_173508
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGGGATTTCAGAGTTTCCAGCGCGCACCCAGGGCAAGAGCATTGCCGTTGGCATGAGGAGGTAC
 CGGACGTAGCCCCGGAGACTGTCCGACATCAGCCCCAGCTCCGGCAGCTCAAGTACTTGGTGGTGA
 CGAGGCGATTAAGGAGGATCTGAAATGGTCGCGCTCCGTGGAGGATCTCACCAGCGGGCCGGTGGGGCTC
 ACGTCCATCGAGGAGCGGATCCTGCGCATCACTGGCTACTATGGTACCAGCCCTGGGCAGCGAGCTGCA
 AAAGGGAGGAGCGCCCCGGGACTCCCCGGGCCGGGAGGCCAGGCACCGCCGGGGTGGAGGCCGG
 CGGGAGAGCGAGTCGCCGCTGCTGGACGTCTCCGGGCGCAACTCAAGAAGATCTTCTGGGGCTGGCG
 GTCGTGCTGTGCTGTGCTCCTCGTGGGCGGGTCCACGCAGCTCGCCAAGCTGACCTTCAGGAAGTTCG
 ACGCGCCCTTACCCTCACGTGGTTTCCACCAACTGGAATTTTTATTCTTCCGTTGTACTACGTGGG
 GCAGCTCTGCAAGTCCACAGAGAAGCAGTCTGTGAAGCAGCGATACAGGGAATGCTGTGATTTTTTGA
 GACAATGGCTTGACTTTGAAGGTGTTTTTACCAAGGCAGCACCTTTGGTGTTCTTTGGACACTACAA
 ACTACCTGTACTTACATGCAATAAAGAAAATAAACAACACTACGGATGTCTCCGTGTTGTTCTGCTGCAACA
 AGCTTTTGTGTTCTTGTCTCATGGATCGTTCTCAGGGACAGATTCATGGGAGTGAGGATTGTGGCCGCC
 ATCCTCGCCATCGCTGGCATTGTGATGATGACCTACGCTGATGGCTTCCACAGCCACTCCGTATCGGCA
 TCGCACTGGTGGTGGCCTCAGCATCGATGTCTGCCCTCTACAAGGTTTGTCAAGCTCCTCTGGGCAG
 TGCTAAGTTTGGAGAAGCCGCTTATTTTTGTCCATCTGGGTGTGTTAACATCCTCTTCATCACCTGC
 ATTCTATTATCTCTACTTTACCAAAGTGAATACTGGAGCTCTTTGATGACATTCATGGGGAAACC
 TTTGTGGATTTTCAAGTTCTTTTATTGACATTCATATTGATTAATTTTGAATTGCCGTTACATATCC
 CACTCTGATGTCTCTTGAATCGTCTCAGCATACCTGTGAATGCAGTGATTGATCACTACACCACTCAG
 ATCGTCTTCAATGGGGTCCGGGTCATCGCCATCATCATCGGCCTGGTTTTCTCCTCCTGCTCCTGC
 CAGAGGAGTGGGATGTCTGGTTGATCAAGCTGCTACCCGACTCAAAGTGAGGAAGAAGGAGGAGCCTGC
 AGAGGGCGCTGCCGACCTGAGCTCAGGACCTCAGAGCAAGAACAAGAGCCGCCCTTCTTCGCCCGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC223799 representing NM_173508
 Red=Cloning site Green=Tags(s)

MGIREFSPGAPRGKSIAGVMRRSPDVSPRRLSDISPQLRQLKYL VVDEAIKEDLKWSRSVEDLTSGPVGL
 TSIEERILRITGYYGYQPWAASCKREERPRDSPGPAEAQAPAGVEAGGRASRCWTCRAQLKKIFWGVA
 VVLCVCSSWAGSTQLAKLTFKFDAPFTLTWFATNWNFLFFPLYYVGHVCKSTEQSVKQRYRECCRFFG
 DNGLTLKVFFTKAAPFGVLWLTNYLYLHAIKKINTTDSVLFCCNKAFVLLSWIVLRDRFMGVRIVAA
 ILAIAIGIVMMTYADGFHSHSVIGIALVVASASMSALYKVLFKLLLSAKFGAALFLSILGVFNILFITC
 IPIILYFTKVEYWSSFDDIPWGNLCGFSVLLLTFNIVLNFGIAVTYPTLSLGLIVLSIPVNAVIDHYSQ
 IVFNGVRVIAIIIIIGLGLLLLLPEEWDVWLKLLTRLKVRKKEEPAEGAADLSSGPQSKNRRARPFSAR

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8012_h11.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_173508

ORF Size: 1470 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

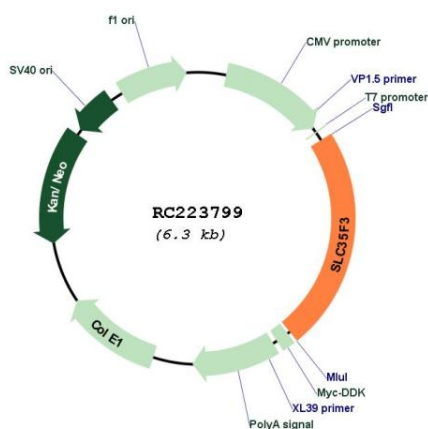
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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.

Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_173508.4</u>
RefSeq Size:	2893 bp
RefSeq ORF:	1473 bp
Locus ID:	148641
UniProt ID:	<u>Q8IY50</u>
Cytogenetics:	1q42.2
Protein Families:	Transmembrane
MW:	54.6 kDa
Gene Summary:	May be a thiamine transporter.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC223799