

Product datasheet for **RG223799**

SLC35F3 (NM_173508) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC35F3 (NM_173508) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC35F3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG223799 representing NM_173508
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGGATTTCAGAGTTTCCAGCGCGCACCCAGGGCAAGAGCATTGCCGTTGGCATGAGGAGGTAC
 CGGACGTGAGCCCCGGAGACTGTCCGACATCAGCCCCAGCTCCGGCAGCTCAAGTACTTGGTGGTGA
 CGAGGCGATTAAGGAGGATCTGAAATGGTCGCGCTCCGTGGAGGATCTCACCAGCGGGCCGGTGGGGCTC
 ACGTCCATCGAGGAGCGGATCCTGCGCATCACTGGCTACTATGGTACCAGCCCTGGGCAGCGAGCTGCA
 AAAGGGAGGAGCGCCCCGGGACTCCCCGGGCCGGCGGAGGCCAGGCACCGGCCGGGTGGAGGCCGG
 CGGGAGAGCGAGTCGCCGCTGCTGGACGTGCTCCGGGCGCAACTCAAGAAGATCTTCTGGGGCTGGCG
 GTCGTGCTGTGCTGTGCTCCTCGTGGGCGGGCTCCACGCAGCTCGCCAAGCTGACCTTCAGGAAGTTCC
 ACGCGCCCTTACCCTCACGTGGTTTCCACCAACTGGAACTTTTATTCTTCCCGTTGTACTACGTGGG
 GCACGTCTGCAAGTCCACAGAGAAGCAGTCTGTGAAGCAGCGATACAGGGAATGTGTGATTTTTTGGG
 GACAATGGCTTGACTTTGAAGGTGTTTTTACCAAGGCAGCACCTTTGGTGTTCTTTGGACACTACAA
 ACTACCTGTACTTACATGCAATAAAGAAAATAAACACTACGGATGTCTCCGTGTTGTTCTGCTGCAACA
 AGCTTTTGTGTTCTTGTCTCATGGATCGTTCTCAGGGACAGATTCATGGGAGTGAGGATTGTGGCCGCC
 ATCCTCGCCATCGCTGGCATTGTGATGATGACCTACGCTGATGGCTTCCACAGCCACTCCGTATCGGCA
 TCGCACTGGTGGTGGCCTCAGCATCGATGTCTGCCCTCTACAAGGTTTTGTTCAAGCTCCTCCTGGGCG
 TGCTAAGTTTGGAGAAGCCGCCCTATTTTTGTCCATCTTGGGTGTGTTAACATCCTCTTCATCACCTGC
 ATTCTATTATCTCTACTTTACCAAAGTGAATACTGGAGCTCTTTTGATGACATTCATGGGGAACCC
 TTTGTGGATTTTCAGTTCTTTTATTGACATTCAATATTGTATTAATTTTGAATTGCCGTTACATATCC
 CACTCTGATGTCTCTTGAATCGTCCTCAGCATACCTGTGAATGCAGTGATTGATCACTACACCACTCAG
 ATCGTCTTCAATGGGGTCCGGGTCATCGCCATCATCATCGGCCTGGGTTTTCTCCTCCTGCTCCTGC
 CAGAGGAGTGGGATGTCTGGTTGATCAAGCTGCTACCCGACTCAAAGTGAGGAAGAAGGAGGAGCCTGC
 AGAGGGCGCTGCCGACCTGAGCTCAGGACCTCAGAGCAAGAACAAGAAGAGCCGCCCTTCTTCGCCCGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG223799 representing NM_173508
 Red=Cloning site Green=Tags(s)

MGIREFSPGAPRGKSIAGVMRRSPDVSPRRLSDISPQLRQLKYL VVDEAIKEDLKWSRSVEDLTSGPVGL
 TSIEERILRITGYYGYQPWAASCKREERPRDSPGPAEAQAPAGVEAGGRASRCWTCRAQLKKIFWGVA
 VVLCVCSSWAGSTQLAKLTFRKFDAPFTLTWFATNWNFLFFPLYYVGHVCKSTEQSVKQRYRECCRFFG
 DNGLTLKVFFTKAAPFGVLWLTNYLYLHAIKKINTTDVSVLFCCNKAFVFLLSWIVLRDRFMGVRIVAA
 ILAIAIGIVMMTYADGFHSHSVIGIALVVASASMSALYKVLFKLLLSAKFGAALFLSILGVFNILFITC
 IPIILYFTKVEYWSSFDIPWGNLCGFSVLLLTFNIVLNFGIAVTYPTLSLGLIVLSIPVNAVIDHYTSQ
 IVFNGVRVIAIIIIIGLGLLLLLPEEWDVWL IKLLTRLKVRKKEEPAEGAADLSSGPQSKNRRARPFSAR

TRTRPLE – GFP Tag – V

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.

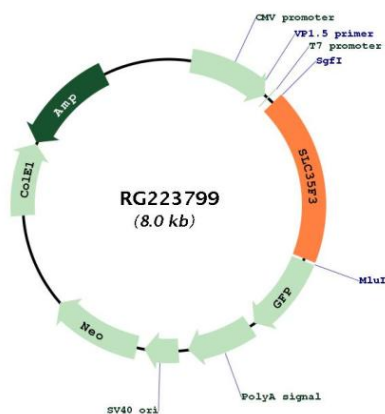
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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.

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
Gene Summary:	May be a thiamine transporter.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG223799