

Product datasheet for **RG203694**

SLC35F2 (NM_017515) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	SLC35F2
Synonyms:	HSNOV1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG203694 representing NM_017515
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGAGGCAGACTCGCCAGCGGGCCCCGGCGCCCCAGAGCCCTCGCGGAGGGAGCGCGGCCGAGTTCT
CCAGCCTGCTGCGCAGGATAAAAGGCAAACTCTTCACCTGGAATATTTGAAAAAATTGCCCTGGGTCA
GATGTTGTCCTTGTGTATATGTTGGACAGCCATCACCAGCCAGTATTTGGCAGAAAGATACAAAGTGAAC
ACCCCATGCTTCAGAGCTTTATCAATTATTGCTTGCTGTTCTTAATTTATACAGTGATGCTGGCATTTC
GATCAGGCAGTGATAACCTTTTAGTAATCTTGAAAAGAAAATGGTGGAAGTACATCCTGCTGGGACTAGC
AGATGTGGAAGCTAATTATGTGATCGTCAGAGCCTACCAGTACACAACCTAACCAGTGTCAGCTTTTG
GATTGCTTTGGGATTCTGTGTTGATGGCTCTGTCATGGTTTATTCTTCATGCAAGATACAGAGTGATCC
ACTTCATCGCCGTGGCTGTCTGTCTGTTGGGTGTAGGAACCATGGTTGGTGACACATACTAGCAGGGAG
GGAAGACAATTCAGGGAGTGATGATTGATTGGTGACATCTTGGTCCTTCTTGGGGCTTCCCTCTATGCC
ATTTCAAATGTTTGTGAGGAATACATCGTGAAGAAGCTGAGCAGACAGGAGTTTTAGGAATGGTGGGCC
TGTTTGGAACAATTATCAGTGGTATACAGCTATTGATTGTGGAATATAAGGATATTGCCAGATTCATTG
GGACTGGAAAATTGCCCTGCTGTTCTGTTGGCATTTCCTGTGTATGTTTGCCTGTACAGCTTCATGCCA
TTGGTGATTAAAGTCACTAGTGCCACTTCCGTCAACCTGGGCATCCTGACAGCGGACCTCTACAGCCTTT
TTGTTGGACTCTTCTGTTTGGCTATAAGTTTTCAGGACTCTACATCCTGTCTTCACTGTCTCATCATGGT
GGGGTTTATCCTGTACTGCTCCACCCTACTCGCACGGCCGAGCCGGCTGAAAGCAGCGTGCCTCCAGTC
ACCAGCATTGGGATTGACAACCTGGGGCTGAAGCTGGAGGAGAACCTCCAGGAGACCACTCTGCTGTCT
TG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG203694 representing NM_017515
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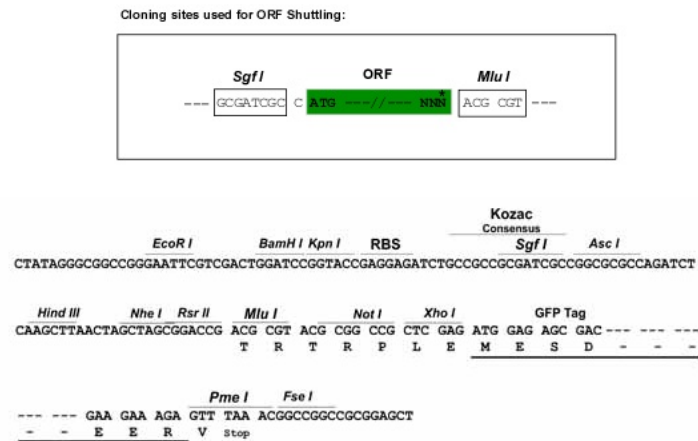
MEADSPAGPGAPEPLAEGAAAEFSSLLRRIKGLFTWNILKTIALGQMLSLCICGTAITSQYLAERYKVN
 TPMLQSFINYCLLFLIYTVMLAFRSGSDNLLVILKRKWKYILLGLADVEANYVIVRAYQYTTLTSVQLL
 DCFGIPVLMALSWFILHARYRVIHFIAVAVCLLGVGTVMVGADILAGREDNSGSDVLIGDILVLLGASLYA
 ISNVCEEYIVKKLSRQEFGLMVGLFGTIISGIQLLIVEYKDIASIHWDWKIALLFVAFALCMFCLYSFMP
 LVIKVTSATSVNLGILTADLYSLFVGLFLFGYKFSGLYILSFTVIMVGFILYCSTPTRTAEPAESSVPPV
 TSGIDNLGLKLEENLQETHSAVL

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja2237_e11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



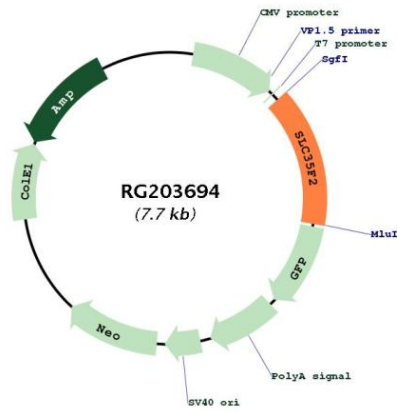
ACCN: NM_017515

ORF Size: 1122 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:	NM_017515.5
RefSeq Size:	3184 bp
RefSeq ORF:	1125 bp
Locus ID:	54733
UniProt ID:	Q8IXU6
Cytogenetics:	11q22.3
Domains:	DUF6
Protein Families:	Transmembrane

Gene Summary: Putative solute transporter.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG203694