

Product datasheet for **RG203677**

SLC35F5 (NM_025181) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	SLC35F5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG203677 representing NM_025181
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGTGCCGCCACGACGCCATCGCGGGCAGGAAGGCCAGGGGTGCTGAGTTCTTCACCTCCTTTAGAC
 TGAGATCTGCCAAGTTTTCCGGCATTGCTCTTGAGGATCTCAGAAGGGCTCTTAAGACAAGACTGCAAAAT
 GGTGTGTGATTTGTATGAACCAATGAATCCAGAACAGTGGTTTCACTCAGCGCAGGCGAATGGCT
 CTTGGGATTGTTATCTCTGCTTGTGATGTGATATGGGTGCTTCTCTGAACCTTACTTCGTATGTTT
 TTACCCAGTACAACAAACCATCTTCAGCACCTTTGCAAAAACATCTATGTTTGTGTTTGTACCTTTTGGG
 CTTTATTATTTGGAAGCCATGGAGACAACAGTGTACAAGAGGACTTCGCGGAAAGCATGCTGCTTTTTTT
 GCAGATGCTGAAGTTACTTTGCTGCTTGACAACAGATACAACATGAATAGTTCTTTGAGTGAACCTC
 TGTATGTGCTGTGAAATTCATGATCTTCCAAGTGAAAAACCTGAGAGCACAACATTGATACTGAAAA
 AACCCCAAAAAGTCTCGTGTGAGGTTAGTAATATCATGGAGATTCGACAGCTTCCGTCAAGTCATGCA
 TTGGAAGCAAAGTTGTCTCGCATGTATATCCTGTGAAAGAACAGAATCCATACTGAAAACGTGTGGGGA
 AACTTACTGCAACTCAAGTAGCGAAAATTAGCTTTTTTTTTTGTCTTTGTGTGGTTTTTGGCAAAATTTGTC
 ATATCAAGAAGCACTTTGAGACACACAAGTTGCTATAGTTAATATTTATCTTCAACTTCCGGACTTTTT
 ACCTTAATCCTTGTGTCAGTATTTCCAAGTAACAGTGGAGATAGATTTACCTTTCTAACTATTAGCTG
 TAATTTTAAGCATTGGAGGCGTTGTACTGTAAACCTGGCAGGGTCTGAAAAACCTGCTGGAAGAGACAC
 AGTAGGTTCCATTTGGTCTCTGCTGGAGCCATGCTCTATGCTGTCTATATTGTTATGATTAAGAGAAAA
 GTAGATAGAGAAGACAAGTTGGATATTTCAATGTTCTTTGGTTTTGTAGGTTTGTAACTGCTGCTCT
 TATGGCCAGGTTTCTTTTACTTCATTATACTGGATTTGAGGACTTCGAGTTTCCCAATAAAGTAGTATT
 AATGTGCATTATCATTAAATGGCCTTATTGGAACAGTACTCTCAGAGTTCCTGTGGTTGTGGGGCTGCTTT
 CTTACCTCATCATTGATAGGCACACTTGCCTAAGCCTTACAATACCTCTGTCCATAATAGCTGACATGT
 GTATGCAAAAGGTGCGATTTTCTTGTTATTTTTTGCAGGAGCTATCCCTGTATTTTTTTCATTTTTTAT
 TGTAATCTCCTATGCCATTATAATAATTGGGATCCTGTGATGGTGGGAATCAGAAGAATATTGCTTTT
 ATATGCAGAAAACATCGAATTGAGAGGTTCCAGAAGACAGCGAACAGTGTGAGAGTCTCATTTCATGC
 ACAGTGTCTCTCAGGAGGATGGAGCTAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG203677 representing NM_025181
 Red=Cloning site Green=Tags(s)

MVPPRRHRGAGRPGVLSSSPFRLRSKFSGIALEDLRRALKTRLQMVCFVMNRMNSQNSGFTQRRRMA
 LGIVILLVVDVIWVASSELTSYVFTQYNKPFSTFAKTSMFVLYLLGFIWKWPWRQQCTRGLRGKHAFF
 ADAEGYFAACTTDDTMNSSLSEPLVYPVKFHDLPSEKPESTNIDTEKTPKKSRRVRSNIMEIRQLPSSHA
 LEAKLSRMSYPVKEQESILKTVGKLTAQVAKISFFFCFVWFLANLSYQEALSDTQVAIVNILSSTSGLF
 TLILAIVFSPNSGDRFTLSKLLAVILSIGGVVLVNLAGESEKPAGRDVGSIWLAGAMLVAVYIVMIKRR
 VDREDKLDIPMFFGFVGLFNLLLLWPGFLLHYTGFEDEFPNKVVLNCIIINGLIGTVLSEFLWLGCF
 LTSSLIGTLALSITIPLSIIADMCMQKVQFSWLFAGAIPIVFFSFFIVTLLCHYNNWDPVMVGIRRIFAF
 ICRKHRIQRPEDSEQCESLISMHSVSQEDGAS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_025181

ORF Size: 1569 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:

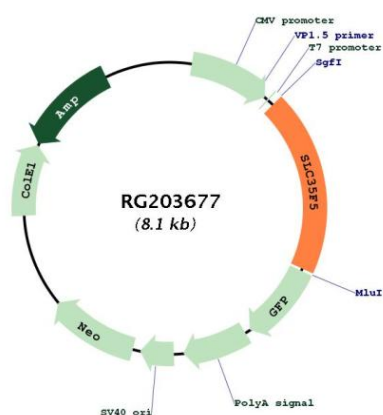
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_025181.5](#)

RefSeq Size: 2875 bp

RefSeq ORF:	1572 bp
Locus ID:	80255
UniProt ID:	Q8WV83
Cytogenetics:	2q14.1
Domains:	DUF6
Protein Families:	Transmembrane
Gene Summary:	Putative solute transporter.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for RG203677