

Product datasheet for **RG212245**

SV2C (NM_014979) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SV2C (NM_014979) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SV2C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>RG212245 representing NM_014979
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGGAAGACTCTTACAAGGATAGGACTTACTGATGAAGGTTGCCAAGGACATTGCCAGAGAGGTGAAGA
AACAAACAGTAAAGAAGGTGAATCAAGCTGTGGACCGAGCCAGGATGAATACACCCAGAGGTCTACAG
TCGGTTCCAAGATGAAGAAGATGATGATGACTACTACCCGGCTGGAGAAAACCTATAATGGTGAGGCCAAC
GATGACGAAGGCTCAAGTGAAGCCACTGAGGGGCATGATGAAGATGATGAGATCTATGAGGGGAGTATC
AGGGCATCCCCAGTATGAACCAAGCGAAGGACAGCATCGTGTGAGTGGGCGAGCCCAAGGGCGATGAGTA
CAAGGACCGACGGGAGCTGGAATCAGAAAGGAGAGCTGACGAGGAAGAGTTAGCCAGCAGTATGAGCTG
ATAATCCAAGAATGCGGTATGGTCTGTTTTCAGTGGGCCCTTTTCTTCGTCCTGGGCATGGCTCTTATGG
CAGACGGTGTAGAGGTGTTTGTGCTGGCTTCGTGTTACCCAGTGTGAGACAGACCTCTGCATCCCAAA
TTCAGGATCTGGATGGCTAGGCAGCATAGTGTACCTCGGGATGATGGTGGGGCGTTCCTCTGGGGAGGA
CTGGCAGACAAAGTGGGAAGGAAACAGTCTCTTCTGATTTGCATGTCTGTCAACGGATTCTTTGCCCTTC
TTTCTTCAATTTGTCCAAGGTTATGGCTTCTTTCTTCTGTCGCTTACTTTCTGGATTCCGGATTGGAGG
AGCCATACCCACTGTGTTCTCGTACTTTGCTGAAGTCTGGCCCGGAAAAGCGGGGCGAACACTTGAGC
TGGCTCTGCATGTTCTGGATGATCGGTGGCATCTACGCCCTGCCATGGCCTGGGCCATCATCCGCACT
ACGGGTGGAGCTTCAGCATGGGATCGGCCCTACCAGTTTACAGTTGGCGTGTGTTTGTATCGTCTGTGC
ACTCCCCTGTGTCTCCTCCGTGGTGGCCCTCACATTCATGCTGAAAGCCACGATTCTTGTGGAGGTT
GGAAAACATGATGAAGCTTGGATGATTCTGAAGTTAATTCATGACACCAACATGAGAGCCCGGGTCAGC
TGACACAGGAACATGGTATAGGAGGTGTTTTGTTTCGGATCCGCACCGAGCTGTACGGAATTTGGTTGACT
TTTATGAGATGTTTCAACTACCCAGTCAGGATAATAACAATAAAGCTTACAATGTTTGGTTCACCCGT
CCTTTGGTACTATGGATTATCCGTTTGGTTCCTGATGTCATTAACCTCTGCAGTCCGATGAATATGC
ATTGCTAACCAGAAATGTGGAGAGAGATAAATATGCAATTTCACTATTAACCTTACAATGGAAAATCAG
ATTCATACTGGAATGGAATACGACAATGGCAGATTCATAGGGTCAAGTTCAAATCTGTAACCTTCAAAG
ACTCTGTTTTTAAGTCTGCACCTTTGAGGATGTAACCTCAGTGAACACCTACTTCAAGAAGTGCACATT
TATTGACACTGTTTTTGACAACACAGATTTTGGCCATATAAATTCATTGACAGTGAATTTAAAACTGC
TCGTTTTTTCACAACAAGACGGGATGTCAGATTACCTTTGATGATGACTATAGTGCCTACTGGATTTATT
TTGTCAACTTTCTGGGGACATTGGCAGTATTGCCAGGGAACATTTGTCTGCTGCTGATGGACAGAAT
TGGGCGCTTAAACAATGCTAGGTGGCTCTATGGTCTTTTCGGGGATCAGCTGTTTCTTCTTTGGTTCGGC
ACCAGTGAATCCATGATGATAGGCATGCTGTGTGTGACAATGGATTGACCATCTCAGCCTGGAAGTCTC
TTGACGTGGTCACTGTGGAAGTGTACCCACAGACCGGAGGGCAACAGGCTTTGGCTTCTTAAATGCGCT
ATGCAAGGCAGCAGCCGCTCCTGGGAACTTAATATTTGGCTCTCTGGTCAAGCATCAACAAATCAATCCCC
ATCCTGCTGGCTTCTACTGTGCTGTGTGGAGGACTCGTTGGGCTGTGCTGCTGACACACGAACCC
AGGTTCTGATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG212245 representing NM_014979
 Red=Cloning site Green=Tags(s)

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MEDSYKDR TSLMKGAKDIAREVKKQTVKKNQAVDRAQDEY TQRSYSRFQDEEDDDYYPAGETYNGEAN
DDEGSSEATEGHDEDEIYEGEYQGIPSMNQAKDSIVSVGQPKGDEYKDRRELESERRADEEELAQQYEL
IIQECGHGRFQWALFFVLGMALMADGVEVFVVGFLVPSAETDLCIPNSGSGWLGSIVYLGMMVGAFFWGG
LADKVGRKQSL LICMSVNGFFAFLSSFVQGYGFFLFCRLLSGFGIGGAIPTVFSYFAEVLAREKRGEHLS
WLCMFWMIGGIYASAMAWAIIPHYGWSFSMGSAYQFHSWRV FVIVCALPCVSSVVALTFMPESPRFLLEV
GKHDEAWMILKLIHDTNMRARGQPEKVFVTNKIKTPKQIDELIEIESDTGTWYRRCFVRIRTELYGIWLT
FMRCFNYPVRDNTIKLTIWFTLSFGYYGLSVWFPDVIKPLQSDEYALLTRNVERDKYANFTINFTMENQ
IHTGMEYDNGRFIGVKFKSVTFKDSVFKSCTFEDVTSVNTYFKNCTFIDTVFDNTDFEPYKFIDSEFKNC
SFFHNKTGCQITFDDYSAYWIYFVNFGLTAVLPGNIVSALLMDRIGRLTMLGGSMVLSGISCFFLWFG
TSEMMIGMLCLYNGLTISAWNSLDVVTVELYPTDRRATGFGFLNALCKAAAVLGNLIFGSLV SITKSIP
ILLASTVLVCGGLVGLCLPDTRTQVLM
  
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:

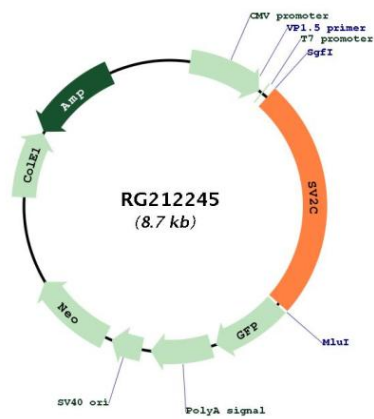


ACCN: NM_014979

ORF Size: 2181 bp

OTI Disclaimer:	<p>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.</p> <p>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</p>
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:	<ol style="list-style-type: none"> 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_014979.1 , NP_055794.1
RefSeq Size:	2362 bp
RefSeq ORF:	2184 bp
Locus ID:	22987
UniProt ID:	Q496J9
Cytogenetics:	5q13.3
Protein Families:	Secreted Protein, Transmembrane
Protein Pathways:	ECM-receptor interaction
Gene Summary:	Plays a role in the control of regulated secretion in neural and endocrine cells, enhancing selectively low-frequency neurotransmission. Positively regulates vesicle fusion by maintaining the readily releasable pool of secretory vesicles.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG212245