

Product datasheet for **RG210080**

RISC (SCPEP1) (NM_021626) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RISC (SCPEP1) (NM_021626) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RISC
Synonyms:	HSCP1; RISC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG210080 representing NM_021626
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGCTGGCACTGCGGCGCTCTCCCGTCCCGCGGTGGTTGCTGCTGCTGCCGCTGCTGCTGGCCTGA
 ACGCAGGAGCTGTCAATTGACTGGCCACAGAGGAGGGCAAGGAAGTATGGGATTATGTGACGGTCCGCAA
 GGATGCCTACATGTTCTGGTGGCTCTATTATGCCACCAACTCCTGCAAGAATTCTCAGAAGTCCGCTG
 GTCATGTGGCTTCAGGGCGGTCCAGGCGGTTCTAGCACTGGATTTGAAAATTTGAGAAAATGGGCCCC
 TTGACAGTGATCTCAAACCACGAAAACCACTGGCTCCAGGCTGCCAGTCTCTATTTGTGGATAATCC
 CGTGGGCACTGGGTTCACTTATGTGAATGGTAGTGGTGCCTATGCCAAGGACCTGGCTATGGTGGCTTCA
 GACATGATGGTTCTCCTGAAGACCTTCTCAGTTGCCACAAGAATTCCAGACAGTTCATTCTACATTT
 TCTCAGAGTCTATGGAGAAAAATGGCAGCTGGCATTGGTCTAGAGCTTTATAAGGCCATTGAGCGAGG
 GACCATCAAGTCAACTTTGCGGGGTTGCCTTGGGTGATTCTGGATCTCCCTGTTGATTGCGGTGCTC
 TCTGGGGACCTTACCTGTACAGCATGTCTTCTCGAAGACAAAGGTCTGGCAGAGGTGTCTAAGGTTG
 CAGAGCAAGTACTGAATGCCGTAATAAGGGGCTCTACAGAGAGGCCACAGAGCTGTGGGGAAAGCAGA
 AATGATCATTGAACAGAACACAGATGGGGTGAACCTTCTATAACATCTTAACTAAAAGCACTCCCAGTCT
 ACAATGGAGTCGAGTCTAGAATTCACACAGAGCCACCTAGTTTGTCTTTGTCAGCGCCACGTGAGACACC
 TACAACGAGATGCCTTAAGCCAGCTCATGAATGGCCCCATCAGAAAGAAGCTCAAAATTTCTGAGGA
 TCAATCCTGGGGAGGCCAGGCTACCAACGTCTTTGTGAACATGGAGGAGGACTTCATGAAGCCAGTCATT
 AGCATTGTGGACGAGTTGCTGGAGGCAGGGATCAACGTGACGGTGTATAATGGACAGCTGGATCTCATCG
 TAGATACCATGGGTGAGGAGCCCTGGGTGCGGAAACTGAAGTGGCCAGAAGTGCCTAAATTCAGTCAGCT
 GAAGTGAAGGCCCTGTACAGTGACCCTAAATCTTTGAAACATCTGCTTTTGTCAAGTCTACAAGAAC
 CTGCTTTCTACTGGATTCTGAAAGCTGGTTCATATGGTTCCTTCTGACCAAGGGGACATGGCTCTGAAGA
 TGATGAGACTGGTACTCAGCAAGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG210080 representing NM_021626
 Red=Cloning site Green=Tags(s)

MELALRRSPVPRWLLLLPLLLGLNAGAVIDWPTEEGKEVWDYVTVRKYDAYMFWL YYATNSCKNFSELPL
 VMWLQGGPGSSSTGFNFEEIGPLDSDLKPRKTTWLQAASLLFVDNPVGTGF SYVNGSGAYAKDLAMVAS
 DMMVLLKTFFSCHKEFQTVPFYIFSESYGGKMAAGIGLELYKAIQRGTIKCNFAGVALGDSWISPVDSVL
 SWGPYLYSMSLLEDKGLAEVSKVAEQVLNAVNKGLYREATELWGKAEMIIEQNTDGVNFYNILTKSTPTS
 TMESSLEFTQSHLVCLQRHVRHLQRDALSQLMNGPIRKKLKIIPEDQSWGGQATNVFVNMEEDFMKPV
 I SIVDELLEAGINVTYNGQLDLIVDTMGQEAWVRKWKWPEL PKFSQLKWKALYSDPKSLETSAFVKSYKN
 LAFYWILKAGHMVPSDQGMALKMMRLVTQQE

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_021626

ORF Size: 1356 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.

RefSeq: [NM_021626.3](#)

RefSeq Size: 1921 bp

RefSeq ORF: 1359 bp

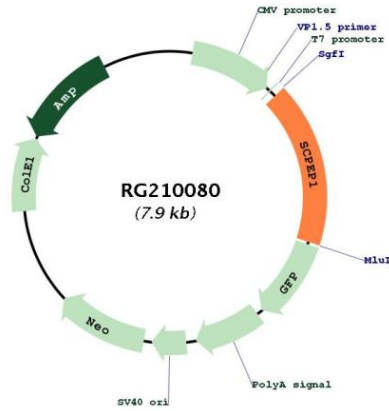
Locus ID: 59342

UniProt ID: [Q9HB40](#)

Cytogenetics: 17q22

Domains: serine_carbpept
 Protein Families: Druggable Genome, Protease, Secreted Protein
 Gene Summary: May be involved in vascular wall and kidney homeostasis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG210080