

Product datasheet for **RG210556**

SNRPE (NM_003094) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SNRPE (NM_003094) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: SNRPE
Synonyms: HYPT11; Sm-E; SME; snRNP-E
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG210556 representing NM_003094
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGTACCGTGGCCAGGGTCAGAAAGTCAGAAAGTTATGGTGCAGCCCATCAACCTCATCTTCAGAT
 ACTTACAAAATAGATCGCGGATTCAGGTGTGGCTCTATGAGCAAGTGAATATGCGGATAGAAGGCTGTAT
 CATTGGTTTTGATGAGTATATGAACCTTGTATTAGATGATGCAGAAGAGATTCATTCTAAAACAAAGTCA
 AGAAAACAACCTGGGTCGGATCATGCTAAAAGGAGATAATATTACTCTGCTACAAAGTGTCTCCAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG210556 representing NM_003094
 Red=Cloning site Green=Tags(s)
 MAYRGQGQKVKVMVQPINLIFRYLQNRSRIQVWLYEQVNMRIEGCIIGFDEYMNLVLDAAEEIHSKTKS
 RKQLGRIMLKGDNITLLQSVSN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_003094

ORF Size: 276 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:

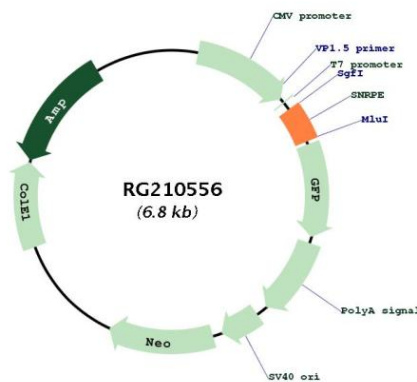
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_003094.4](#)

RefSeq Size: 1593 bp

RefSeq ORF:	279 bp
Locus ID:	6635
UniProt ID:	P62304
Cytogenetics:	1q32.1
Domains:	Sm
Protein Families:	Stem cell - Pluripotency
Protein Pathways:	Spliceosome
Gene Summary:	The protein encoded by this gene is a core component of U small nuclear ribonucleoproteins, which are key components of the pre-mRNA processing spliceosome. The encoded protein plays a role in the 3' end processing of histone transcripts. This protein is one of the targets in the autoimmune disease systemic lupus erythematosus, and mutations in this gene have been associated with hypotrichosis. Several pseudogenes of this gene have been identified. [provided by RefSeq, Jun 2016]

Product images:



Circular map for RG210556