

## Product datasheet for **RG204789**

### SNRNP27 (NM\_006857) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SNRNP27 (NM\_006857) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** SNRNP27  
**Synonyms:** 27K; RY1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG204789 representing NM\_006857  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGTCGCAGTCGCAGCCGCTCTCCACGGAGGGAACGTAGGCGTTCGCGTCCACATCCCGGAGAGAG  
 AACGCAGGCGCCGAGAAAGGTCCAGGTCTCGGGAGAGAGATCGGAGAAGGAGCCGCTCGCATCCCCGCA  
 CCGAAGACGCTCCCGATCTCCAAGACGACATAGATCCACATCTCCTTCCCCTTCTCGACTGAAAGAAAGA  
 AGAGATGAGGAAAAGAAACAAAAGAAACAAAGAGCAAAGAACGGCAGATTACTGAGGAAGACTTAG  
 AGGGCAAAACAGAGGAAGAAATAGAAATGATGAAGTTAATGGGATTTGCCTCTTGACTCCACAAAAGG  
 TAAGAAGGTGGATGGCTCTGTAATGCCTATGCCATAAATGTCTCTCAGAAGAGGAAGTACAGGCAGTAC  
 ATGAATCGAAAAGGTGGATTCAACAGACCTTTGGATTTCAATTGCA

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >RG204789 representing NM\_006857  
 Red=Cloning site Green=Tags(s)

MGRSRSRSPRRRRRSRSTSRERERRRRERSRERDRRRRSRSPHRRRSRSPRRHRSTSPSPSRLKER  
 RDEEKETKTKSKERQITEEDLEGKTEEEIEMMKLMGFASFSDSTKGGKVDGVSVNAYAINVSQKRKYRQY  
 MNRKGGFNRPLDFIA

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



**Cloning Scheme:**


**ACCN:** NM\_006857

**ORF Size:** 465 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\\_006857.3](#)

**RefSeq Size:** 1433 bp

**RefSeq ORF:** 468 bp

**Locus ID:** 11017

**UniProt ID:** [Q8WVK2](#)

**Cytogenetics:** 2p13.3

**Protein Pathways:** Spliceosome

**Gene Summary:** This gene encodes a serine/arginine-rich (SR) protein. SR proteins play important roles in pre-mRNA splicing by facilitating the recognition and selection of splice sites. The encoded protein associates with the 25S U4/U6.U5 tri-snRNP, a major component of the U2-type spliceosome. The expression of this gene may be altered in cells infected with the human T-cell lymphotropic virus type 1 (HTLV-1) retrovirus. A pseudogene of this gene is located on the long arm of chromosome 5. Alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Feb 2011]

**Product images:**



Circular map for RG204789