

Product datasheet for **RC204789**

SNRNP27 (NM_006857) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SNRNP27 (NM_006857) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: SNRNP27
Synonyms: 27K; RY1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC204789 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGTCGCAGTCGCAGCCGCTCTCCACGGAGGGAACGTAGGCGTTCGCGTCCACATCCCGGAGAGAG
AACGCAGCGCCGAGAAAGGTCCAGGTCTCGGGAGAGAGATCGGAGAAGGAGCCGCTCGCGATCCCCGCA
CCGAAAGACGCTCCCGATCTCAAGACGACATAGATCCACATCTCCTTCCCCTTCTCGACTGAAAGAAAGA
AGAGATGAGGAAAAGAAAGAAAACAAAAGAAACAAAGAGCAAAGAACGGCAGATTACTGAGGAAGACTTAG
AGGGCAAAACAGAGGAAGAAATAGAAATGATGAAGTTAATGGGATTTGCCTCTTGACTCCACAAAAGG
TAAGAAGGTGGATGGCTCTGTAAATGCCTATGCCATAAATGTCTCTCAGAAGAGGAAGTACAGGCAGTAC
ATGAATCGAAAAGGTGGATTCAACAGACCTTTGGATTTCAATTGCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC204789 protein sequence
Red=Cloning site Green=Tags(s)
MGRSRSRSPRRRRRSRSTSRERERRRRERSRSRERDRRRRSRSPHRRRSRSPRRHRSTSPSPSRLKER
RDEEKETKETKSKERQITEEDLEGKTEEEIEMMKLMGFASFSDTKGKKVDGGSVNAYAINVSQKRKYRQY
MNRKGGFNRPLDFIA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6438_a11.zip



[View online »](#)

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: 1452 bp

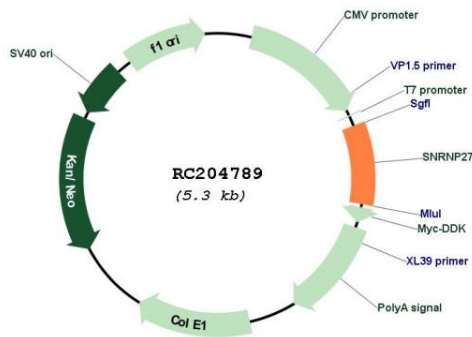
RefSeq ORF: 468 bp

Locus ID: 11017

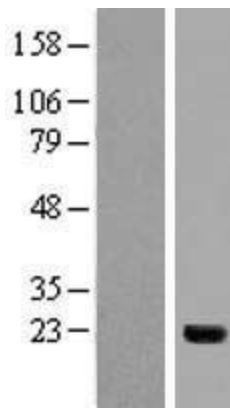
UniProt ID: [Q8WVK2](#)
Cytogenetics: 2p13.3
Protein Pathways: Spliceosome
MW: 18.9 kDa
Gene Summary:

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 RC204789



Western blot validation of overexpression lysate (Cat# [LY416350]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC204789 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).