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Product datasheet for RC200010

SNRNP25 (NM_024571) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNRNP25 (NM_024571) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SNRNP25
Synonyms:	C16orf33
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC200010 representing NM_024571.
Blue=ORF Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGACGTGTTCCAGGAGGGTCTGGCTATGGTGGTGCAGGACCCGCTGCTCTGCGATCTGCCGATCCAG
GTTACTCTGGAAGAAGTCAACTCCCAAATAGCCCTAGAATACGGCCAGGCAATGACGGTCCGAGTGTGC
AAGATGGATGGAGAAGTAATGCCCGTGGTTGTAGTGCAGAGTGCCACAGTCCTGGACCTGAAGAAGGCC
ATCCAGAGATACGTGCAGCTCAAGCAGGAGCGTGAAGGGGGCATTCAGCACATCAGCTGGTCCTACGTG
TGGAGGACGTACCATCTGACCTCTGCAGGAGAGAAACTCACGGAAGACAGAAAGAAGCTCCGAGACTAC
GGCATCCGGAATCGAGACGAGGTTTCCTTCATCAAAAAGCTGAGGCAAAAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Protein Sequence:

>Peptide sequence encoded by RC200010
Blue=ORF Red=Cloning site Green=Tag(s)

MDVFQEGLAMVVQDPLLCDLPIQVTLEEVNSQIALEYGQAMTVRVCKMDGEVMPVVVVQSATVLDLKKA
IQRYVQLKQEREGGIQHISWSYVWRTYHLTSAGEKLTEDRKKLRDYGIRNRDEVSFIKKLRQK
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

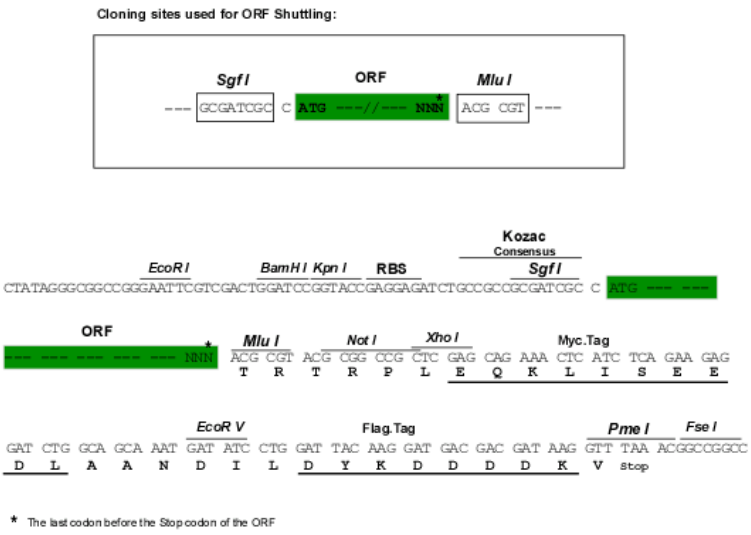
Recombinant protein using RC200010 also available, TP300010

Chromatograms: https://cdn.origene.com/chromatograms/mk6385_e11.zip

Restriction Sites: SgfI-MluI

View online »

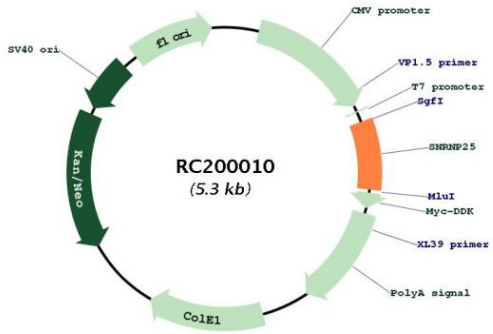
Cloning Scheme:



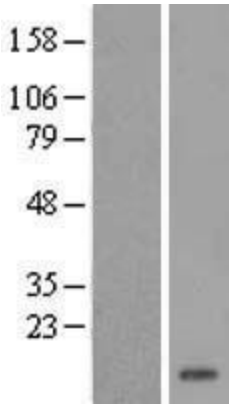
ACCN:	NM_024571
ORF Size:	396 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_024571.3
RefSeq Size:	1103 bp
RefSeq ORF:	372 bp

Locus ID:	79622
UniProt ID:	Q9BV90
Cytogenetics:	16p13.3
Protein Families:	Druggable Genome
MW:	15.3 kDa
Gene Summary:	Two types of spliceosomes catalyze splicing of pre-mRNAs. The major U2-type spliceosome is found in all eukaryotes and removes U2-type introns, which represent more than 99% of pre-mRNA introns. The minor U12-type spliceosome is found in some eukaryotes and removes U12-type introns, which are rare and have distinct splice consensus signals. The U12-type spliceosome consists of several small nuclear RNAs and associated proteins. This gene encodes a 25K protein that is a component of the U12-type spliceosome. [provided by RefSeq, Apr 2010]

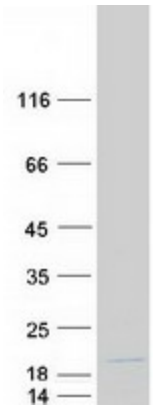
Product images:



Circular map for RC200010



Western blot validation of overexpression lysate (Cat# [LY411237]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200010 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified SNRNP25 protein (Cat# [TP300010]). The protein was produced from HEK293T cells transfected with SNRNP25 cDNA clone (Cat# RC200010) using MegaTran 2.0 (Cat# [TT210002]).