

Product datasheet for **RC208918**

U1SNRNPBP (SNRNP35) (NM_007020) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U1SNRNPBP (SNRNP35) (NM_007020) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	U1SNRNPBP
Synonyms:	HM-1, MGC138160
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC208918 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACGATTGGATGCCCATCGCCAAGGAGTATGATCCACTCAAAGCGGGCAGCATTGATGGCACCGATG
AAGACCCACACGACCGCGCGTCTGGAGGGCAATGCTGGCAGATATGTCCCAACAAAGGTGTCATAGG
AGATCCCCTCCTCACCTGTTTGTGGCCAGACTAACTGCAGACCAAGGAGACAAATTAAGGAAGTC
TTTTCCCGCTATGGTGACATCCGGCGCTTCGGCTGGTCAGGACTTGGTCACAGTTTTTCAAAGGCT
ACGCCTTCATCGAATAACAAGGAGGAGCGTGCCGTGATCAAAGCTTACCGAGATGCTGATGGCCTGGTTAT
TGACCAGCATGAGATATTTGTGGACTACGAGCTGGAAAGGACTCTCAAAGGGTGGATCCCTCGGCGACTT
GGAGGCGGTCTTGGGGAAAAAGGAGTCTGGGCAACTGAGATTTGGGGACGGGACCGCCTTTTCGAA
AACCTATTAACCTGCCAGTTGTTAAAAACGACCTCTATAGAGAGGGAAAAACGGGAAAGCGGGAGCGATC
TCGATCCCAGAAAGACACTGGGACTCGAGGACAAGGGATCGAGACCATGACAGGGGCGGGAGAAGAGA
TGGCAAGAAAGAGAGCCGACCAGGTGTGGCCGACAATGACTGGGAGAGAGAGAGGGACTTCAGAGATG
ACAGGATCAAGGGGAGGAGAAGAAGGAAAGAGGCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC208918 protein sequence
 Red=Cloning site Green=Tags(s)

MNDWMPIAKEYDPLKAGSIDGTDEDPHDRAVWRAMLARYVPNKGVI GDPLLTLFVARLNLQTKEDKLKEV
 FSRYGDIRRLRLVRDLVTGFSKGYAFIEYKEERAVIKAYRDADGLVIDQHEIFVDYELERTLKGWIPRRL
 GGGLGGKKEGQLRFGGDRDPFRKPINLPVVKNDLYREGKRERRERSRSRERHWSRTRDRDHDRGREKR
 WQEREPTRVWPDNDWERERDFRDDRIKGREKKEKRGK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6353_h10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_007020

ORF Size: 738 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_007020.2](#), [NP_008951.1](#)

RefSeq Size: 1509 bp

RefSeq ORF: 740 bp

Locus ID: 11066

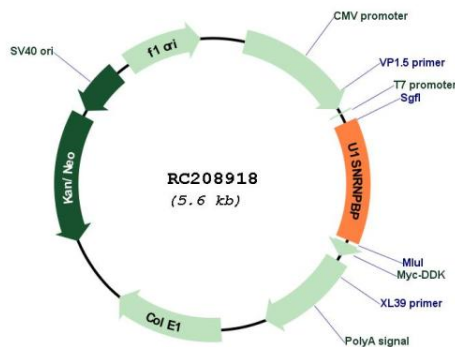
Cytogenetics: 12q24.31

Domains: RRM

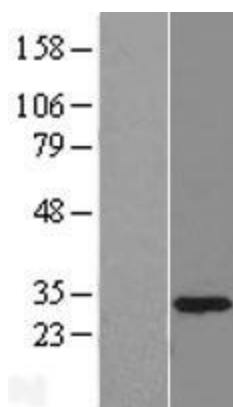
MW: 29.5 kDa

Gene Summary: The protein encoded by this gene is a homolog of the U1-snRNP binding protein. The N-terminal half contains a RNA recognition motif and the C-terminal half is rich in Arg/Asp and Arg/Glu dipeptides, which is a characteristic of a variety of splicing factors. This protein is a component of the U11/U12 small nuclear ribonucleoproteins (snRNP) that form part of the U12-type spliceosome. Alternative splicing results in multiple transcript variants encoding two distinct isoforms and representing a non-protein coding variant. [provided by RefSeq, Aug 2013]

Product images:



Circular map for RC208918



Western blot validation of overexpression lysate (Cat# [LY416257]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208918 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).