

# **Product datasheet for RC219410**

### OriGene Technologies, Inc.

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## U1SNRNPBP (SNRNP35) (NM\_180703) Human Tagged ORF Clone

## **Product data:**

**Product Type:** Expression Plasmids

Product Name: U1SNRNPBP (SNRNP35) (NM\_180703) Human Tagged ORF Clone

Tag: Myc-DDK

Symbol: U1SNRNPBP

Synonyms: HM-1; MGC138160; small nuclear ribonucleoprotein 35kDa (U11/U12); U1 snRNP binding

protein homolog; U1-snRNP binding protein homolog; U1SNRNPBP; U11/U12 snRNP 35K

Mammalian Cell

Selection:

Neomycin

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

ORF Nucleotide >RC219410 ORF sequence

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA





**Protein Sequence:** >RC219410 protein sequence

Red=Cloning site Green=Tags(s)

MKPANMNDWMPIAKEYDPLKAGSIDGTDEDPHDRAVWRAMLARYVPNKGVIGDPLLTLFVARLNLQTKED KLKEVFSRYGDIRRLRLVRDLVTGFSKGYAFIEYKEERAVIKAYRDADGLVIDQHEIFVDYELERTLKGW IPRRLGGGLGGKKESGQLRFGGRDRPFRKPINLPVVKNDLYREGKRERRERSRSRERHWDSRTRDRDHDR GREKRWQEREPTRVWPDNDWERERDFRDDRIKGREKKERGK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: <a href="https://cdn.origene.com/chromatograms/mk6530">https://cdn.origene.com/chromatograms/mk6530</a> e11.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:



Kozac Consensus  EcoRI BamHI Kpn I RBS Sgf1  CTATAGGGCCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGAGTCTGCCGCCGCGATCGC C ATG							
ORF	MIU I ACG CGT T R	Not I ACG CGG CCG T R P	Xhol CTC GAG L E	CAG AAA Q K	Myc.Tag CTC AT L I	C TCA	GAA GAG E E
GAT CTG GCA GCA AAT	EcoR V GAT ATC CTG	Flag.Ta GAT TAC AAG D Y K	-	GAC GAT D D	AAG GT: K V	Pme I TAA stop	Fse I ACGGCCGGCC

<sup>\*</sup> The last codon before the Stop codon of the ORF

**ACCN:** NM\_180703

ORF Size: 753 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: <u>NM 180703.2</u>, <u>NP 851034.1</u>

RefSeq Size:1523 bpRefSeq ORF:755 bp

 Locus ID:
 11066

 Cytogenetics:
 12q24.31

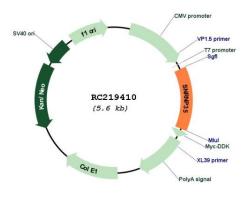
 MW:
 30 kDa

**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

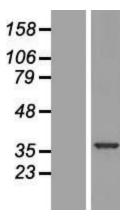
2013]

# **Product images:**



Circular map for RC219410





Western blot validation of overexpression lysate (Cat# [LY405832]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC219410 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).