

Product datasheet for **RG203746**

U1SNRNPBP (SNRNP35) (NM_180699) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	U1SNRNPBP (SNRNP35) (NM_180699) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	U1SNRNPBP
Synonyms:	HM-1; U1SNRNPBP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203746 representing NM_180699 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAACCAGCTAACATGAACGATTGGATGCCATCGCCAAGGAGTATGATCCACTCAAAGCGGGCAGCA
 TTGATGGCACCGATGAAGACCCACACGACCGCGCGGTCTGGAGGGCAATGCTGGCAGATATGTCCCAA
 CAAAGGTGTCATAGGAGATCCCCTCCTCACCCTGTTTGTGGCCAGACTAACTTGCAGACCAAGGAGGAC
 AAATTAAGGAAGTCTTTCCCGCTATGGTGACATCCGGCGGCTTCGGCTGGTCAGGGACTTGGTCACAG
 GTTTTTCAAAGGGCTACGCCTTCATCGAATACAAGGAGGAGCGTGCCGTGATCAAAGCTTACCGAGATGC
 TGATGGCCTGTTATTGACCAGCATGAGATATTTGTGGACTACGAGCTGGAAGGACTCTCAAAGGGTGG
 ATCCCTCGGCGACTTGGAGGCGGTCTTGGGGGAAAAAAGGAGTCTGGGCAACTGAGATTTGGGGGACGGG
 ACCGGCCTTTTCGAAAACCTATTAACCTGCCAGTTGTTAAAAACGACCTCTATAGAGAGGGAAAAACGGGA
 AAGGCGGGAGCGATCTCGATCCCGAGAAAGACACTGGGACTCGAGGACAAGGGATCGAGACCATGACAGG
 GGCCGGGAGAAGAGATGGCAAGAAAGAGAGCCGACCGAGGTGTGGCCCGACAATGACTGGGAGAGAGAGA
 GGGACTTCAGAGATGACAGGATCAAGGGGAGGGAGAAGAAGGAAAGAGGCAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >RG203746 representing NM_180699
 Red=Cloning site Green=Tags(s)

MKPANMNDWMPiAKEYDPLKAGSIDGTDEDPHDRAVWRAMLARYVPNKGVIgDPLLTLFVARLNLQTKED
 KLKEVFSRYGDIRRLRLVRDLVTGFSGKYAFIEYKEERAVIKAYRDADGLVIDQHEIFVDYELERTLKGW
 IPRRLGGGLGGKKEGQLRFGGRDRPFKPINLPVVKNDLYREGKRERRERSRSRERHWDSTRDRDHDR
 GREKRWQEREPTRVWPDNDWERERDFRDDRIKGREKKERK

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_180699

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: [NM_180699.3](#), [NP_851030.1](#)

RefSeq Size: 1638 bp

RefSeq ORF: 756 bp

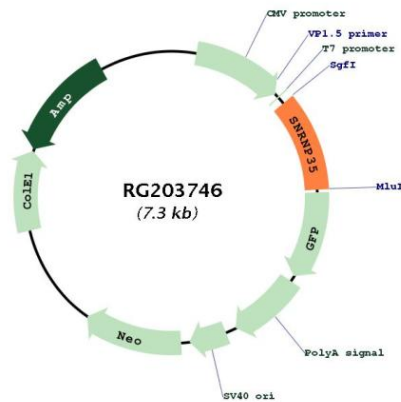
Locus ID: 11066

UniProt ID: [Q16560](#)

Cytogenetics: 12q24.31

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 RG203746