

Product datasheet for **RG201492**

RBM22 (NM_018047) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBM22 (NM_018047) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RBM22
Synonyms:	Cwc2; fSAP47; ZC3H16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG201492 representing NM_018047 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGACCTCTCTGGGTTCCAACACCTACAACAGGCAGAACTGGGAGGATGCGGACTTCCCATTCTGT
GCCAGACATGTCTGGAGAAAACCCATATATCCGAATGACCAAAGAAAAGTATGGGAAGGAATGCAAAAT
CTGTGCCAGGCCATTACAGTGTTCGCTGGTGCCTGGAGTCCGCATGCGTTTCAAGAAGACTGAAGTG
TGCCAAACCTGCAGTAAATTGAAGAATGTCTGTCAGACCTGCCTCTTAGACCTAGAGTATGGCCTGCCA
TCCAGGTTTCGTGACGCAGGATTGCTTTTAAAGATGACATGCCAAAGTCAGATGTCAACAAGAGTACTA
TACACAGAATATGGAGAGAGAGATTTCTAACTCTGATGGAACACGCGCCAGTTGGCATGCTGGGAAAGCC
ACATCTACCAGTGACATGCTGCTCAAACCTGGCCCGGACCACACCTACTACAAAAGGAATCGACCCAC
TTTGCTCCTTCTGGGTGAAAGGAGAGTGTAAAGAGAGGAGGAATGTCCATACAGACATGAGAAGCCTAC
AGATCCAGATGACCCCTTGCTGATCAGAATATTAAGACCGTTATTACGGAATCAATGATCCTGTAGCT
GACAAGCTTCTAAAGCGGGCTTCAACAATGCCTCGGCTGGACCCACCAGAGGATAAACTATCACCACAC
TATATGTTGGTGGTCTAGGTGATACCATTACTGAGACAGATTTAAGAAATCATTTCTACCAGTTCGGAGA
GATCCGGACGATCACTGTTGTGCAGAGACAGCAGTGTGCTTTTCATCCAGTTTGCCACACGGCAGGCTGCA
GAAGTGGCTGCTGAGAAGTCTTTAATAAGTTGATTGTAATGGCCGAGACTGAATGTAAATGGGGAA
GATCCCAGGCAGCCAGAGGAAAAGAAAAGAGAAAGATGGAACACAGACTCTGGGATCAAACCTAGAACC
TGTTCCAGGATTGCCAGGAGCTTCTCCTCCTCCTGTCAGCAGAAGAAGAAGCCTCTGCCAACTACTTC
AACTTGCCCCAAGTGGTCTCCAGCTGTGGTGAACATTGCTCTGCCACCGCCCCCTGGCATTGCTCCAC
CCCCACCCAGGTTTTGGGCCACACATGTTCCACCCAATGGGACCACCCCTCTTTTCATGCGGGCTCC
AGGACCAATCCACTATCCTTCTCAGGACCTCAGAGGATGGGAGCTCATGCTGAAAACACAGCAGCCCC

ACGGTACGGCGCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG201492 representing NM_018047
 Red=Cloning site Green=Tags(s)

MATSLGSNTYNRQNWEDADFPILCQTCLGENPYIRMTKEKYGKECKICARPFTVFRWCPGVRMRFKKTEV
 CQTC SKLKNVCQTCLLDLEYGLPIQVRDAGLSFKDDMPKSDVNKEYYTQNMEREISNSDGTTRPVGMLGKA
 TSTDMLLKLARTTPYYKRNRPHICSFVWKGECKRGECEPYRHEKPTDPDDPLADQNIKDRYYGINDPVA
 DKLLKRASMPRLDPPEDKTITTLVYVGLGDTITETDLRNHFYQFGEIRITVVRQRCQCAF IQFATRQAA
 EVAAEKSFNKLIVNGRRLLNVKWGRSQAARGKEKEKDGTDTDSGIKLEPVPGLPGALPPPPAAEEEEASANYF
 NLPPSGPPAVVNIALPPPPGIAPPPPGFGPHMFHPMPPPPFMRAPGPIHYPSQDPQRMGAHAGKHSSP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018047

ORF Size: 1260 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_018047.3](#)

RefSeq Size: 2297 bp

RefSeq ORF: 1263 bp

Locus ID: 55696

UniProt ID: [Q9NW64](#)

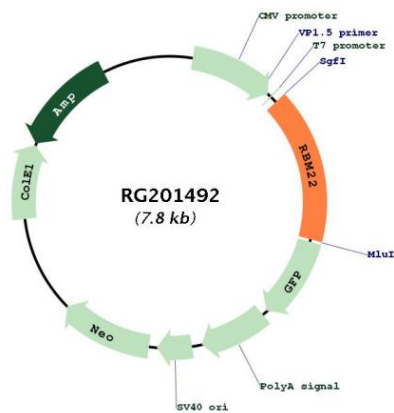
Cytogenetics: 5q33.1

Domains: RRM, zf-CCCH

Protein Pathways: Spliceosome

Gene Summary: This gene encodes an RNA binding protein. The encoded protein may play a role in cell division and may be involved in pre-mRNA splicing. Related pseudogenes exist on chromosomes 6, 7, 9, 13, 16, 18, and X. [provided by RefSeq, Mar 2009]

Product images:



Circular map for RG201492