

Product datasheet for **RG205492**

ZCRB1 (NM_033114) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZCRB1 (NM_033114) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZCRB1
Synonyms:	MADP-1; MADP1; RBM36; SNRNP31; ZCCHC19
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG205492 representing NM_033114 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTGGTGGATTGGCTCCAAGTAAGAGCACAGTGTATGTATCCAACCTGCCTTTTTCCCTGACAAACA
ATGACTTGTACCGGATATTTCCAAGTATGGCAAAGTTGTAAAGTTACCATCATGAAAGATAAAGATAC
CAGGAAGAGTAAAGGGTTGCATTTATTTATTTTGGATAAAGACTCTGCACAAAAGTACCAGGGCA
ATAAACAAACAAACAGTTATTTGGTAGAGTGATAAAAGCAAGCATTGCTATTGACAATGGAAGAGCAGCTG
AGTTCATCCGAAGCGAAACTACTTTGATAAATCTAAGTGTATGAATGTGGGAAAGTGGACACTTAAG
TTATGCCTGTCCGAAAAATATGCTCGGAGAACGTGAGCCTCAAAAAGAAGAAAGAAAAAAGAAAAAAG
AAAGCTCCTGAACCAGAAGAAGAAATTGAGGAAGTAGAAGAAAGTGAAGATGAAGGGGAGGATCCTGCTC
TTGACAGCCTCAGTCAGGCCATAGCATTCCAGCAAGCCAAAATTGAAGAAGAACAAAAAATGGAAACC
CAGTTCAGGAGTCCCCTCAACATCAGATGATTCAAGACGCCCAAGGATAAAGAAAAGCACATATTTTCAGT
GATGAGGAAGAAGTATAGTAT

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG205492 representing NM_033114
Red=Cloning site Green=Tags(s)

MSGGLAPSKSTVYVSNLPFSLTNNDLYRIFSKYGVVKTIMKDKDTRKSKGVAFILFLDKDSAQNCTRA
 INNKQLFGRVIKASIAIDNGRAAEFIRRRNYFDKSKCYECGESGHL SYACPKNMLGEREPQKKKEKKKKK
 KAPEPEEEIEEVEESEDEGEDPALDSLQAIAFQQAKIEEEQKKWKPPSSGVPSTSDSRPRRIKKSTYFS
 DEEELSD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_033114

ORF Size: 651 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_033114.2](#)

RefSeq Size: 1844 bp

RefSeq ORF: 654 bp

Locus ID: 85437

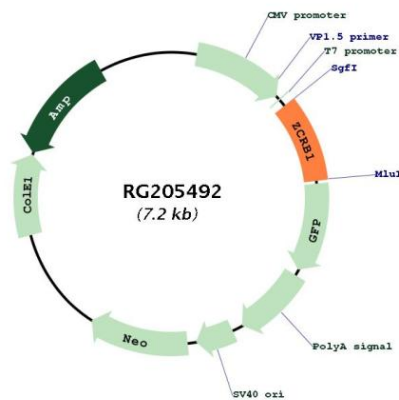
UniProt ID: [Q8TBF4](#)

Cytogenetics: 12q12

Domains: RRM, zf-CCHC, PAP_assoc, NTP_transf_2, RRM_1

Gene Summary: Pre-mRNA splicing is catalyzed by the spliceosome. U12-type spliceosome binds U12-type pre-mRNAs and recognizes the 5' splice site and branch-point sequence. U11 and U12 snRNPs are components of U12-type spliceosome and function as a molecular bridge connecting both ends of the intron. The protein encoded by this gene contains a RNA recognition motif. It was identified as one of the protein components of U11/U12 snRNPs. This protein and many other U11/U12 snRNP proteins are highly conserved in organisms known to contain U12-type introns. These proteins have been shown to be essential for cell viability, suggesting the key roles in U12-type splicing. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG205492