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Product datasheet for SC101692

ZCRB1 (NM_033114) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZCRB1 (NM_033114) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZCRB1
Synonyms:	MADP-1; MADP1; RBM36; SNRNP31; ZCCHC19
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC101692 sequence for NM_033114 edited (data generated by NextGen Sequencing)

ATGAGTGGTGGATTGGCTCCAAGTAAGAGCACAGTGTATGTATCCAACTTGCCTTTTTCC
CTGACAAACAATGACTTGTACCGGATATTTTCCAAGTATGGCAAAGTTGTAAAGGTTACC
ATCATGAAAGATAAAGATACCAGGAAGAGTAAAGGGGTTGCATTTATTTTATTTTTGGAT
AAAGACTCTGCACAAAACTGTACCAGGGCAATAAACAACAAACAGTTATTTGGTAGAGTG
ATAAAAGCAAGCATTGCTATTGACAATGGAAGAGCAGCTGAGTTCATCCGAAGGCGAAAC
TACTTTGATAAATCTAAGTGTTATGAATGTGGGGAAAGTGGACACTTAAGTTATGCCTGT
CCGAAAAATATGCTCGGAGAACGTGAGCCTCCAAAGAAGAAAGAAAAAAAGAAAAAAAAG
AAAGCTCCTGAACCAGAAGAAGAAATTGAGGAAGTAGAAGAAAGTGAAGATGAAGGGGAG
GATCCTGCTCTTGACAGCCTCAGTCAGGCCATAGCATTCCAGCAAGCCAAAATTGAAGAA
GAACAAAAAAAAATGGAAACCCAGTTCAGGAGTCCCCTCAACATCAGATGATTCAAGACGC
CCAAGGATAAAGAAAAGCACATATTTCAGTGATGAGGAAGAACTTAGTGATTAA

Clone variation with respect to NM_033114.3

View online »

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_033114 unedited
GTAATACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGGTGGCTGCTATTATCTG
CTCTCCGCGCCTGACCCCTCCCAGGACTCGTGATGCCAAGGCCGCTGCGAGCGGCTACGA
AGAGTCGGGGTTGAGCCCCAGCTGAGCCGAGGGCTCGCACTCTTCTGGTCTCCCAGGCCC
AACCCACCTGAAGAAATGAGTGGTGGATTGGCTCCAAGTAAGAGCACAGTGTATGTATCC
AACTTGCCTTTTTCCCTGACAAACAATGACTTGTACCGGATATTTTCCAAGTATGGCAAA
GTTGTAAAGGTTACCATCATGAAAGATAAAGATACCAGGAAGAGTAAAGGGGTTGCATTT
ATTTTATTTTTGGATAAAGACTCTGCACAAAACTGTACCAGGGCAATAAACAACAAACAG
TTATTTGGTAGAGTGATAAAAGCAAGCATTGCTATTGACAATGGAAGAGCAGCTGAGTTC
ATCCGAAGGCGAAACTACTTTGATAAATCTAAGTGTTATGAATGTGGGGAAAGTGGACAC
TTAAGTTATGCCTGTCCGAAAAATATGCTCGGAGAACGTGAGCCTCCAAAGAAGAAAGAA
AAAAAGAAAAAAAAGAAAGCTCCTGAACCAGAAGAAGAAATTGAGGAAGTAGAAGAAAGT
GAAGATGAAGGGGAGGATCCTGCTCTTGACAGCCTCAGTCAGGCCATAGCATTCCAGCAA
GCCAAAATTGAAGAAGAACAAAAAAAATGGAAACCCAGTTCAGGAGTCCCCTCACATCAG
ATGATTCAAGACGCCCAAGGATAAAGAANAGCACATATTTCAGTGATGAGGAAGAACTTA
GTGATTAAATCTTGCCCCAGCACAGTATAAAATCAAGATTGGTAGTACAATCTTGAGAGC
TTATTTAATAAAAAGAAAATATACCTTCGGTATACATTATGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_033114 unedited
ACTGTTTCACTCTGCACCGCGCGCCGCAATCTACGATCGAGTTTTTTTTTTTTTTTTTA
AAAACAAAATTTCTCTTTGAAAAGTTTATTAATATAAGTAACAATAAATCATTCAACTTT
TCGGTCTTCAGGAAGTTTGTTTTAAGGATTAATTTCAGAAGTCCTCATGTAAACAAATCA
GGCATGAATAAAGCCCTTATAATGAACTTTTCAAATAAATTTTTAAAATATCTTTTTTCT
TGGGATGACAATAATAGTATTAACATGATAGTATTAATTTTTCTTATTTTTATTAAAATT
AGCTCTTCAAGATTGTTACTAACAAATCTTGATTTTTATTACTGTGCTGGGGCAAGATTT
TAATCACTAAGTTCTTCCTCATCACTGAAATATGTGCTTTTCTTTATCCTTGGGCGTCTT
GAATCATCTGATGTTGAGGGGACTCCTGAACTGGGTTTCCATTTTTTTTGTTCTTCTTCA
ATTTTGGCTTGCTGGAATGCTATGGCCTGACTGAGGCTGTCAAGAGCAGGATCCTCCCCT
TCATCTTCACTTTCTTCTACTTCCTCAATTCCTTCTTCTGGCTCAGGAGCTTTCTTTTTT
TTCTTCTCTTCTTTCTTCCTTGGAGGCTCACGTTCTCCGAGCATATTTTTCGGACAGGCA
TAACTTAAGTGTCCACTTTCCCCACATTCATAACACTTACATTTATCAAAGCAGCTTCCG
CCTTCGGATGAACTCAGCTGCTCCTTCATTGTCAATAGCATGCTTGCTTCTATCCATCTC
ACCAAAAAACTGTTTGTTGCTTATTGCCCTGTCCCAGTTTTGCGCCAAGTTTTTATCCCAA
AAAAAATAAAGCCACCCCTTTACTCCTTCCGGGATCTTATCTTCATGAGGGAACCTT

Restriction Sites: NotI-NotI

ACCN: NM_033114

Insert Size: 1160 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_033114.3, NP_149105.3
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]