

Product datasheet for **RC200201**

RBM10 (NM_152856) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	RBM10
Synonyms:	DXS8237E; GPATC9; GPATCH9; S1-I; TARPS; ZRANB5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence: >RC200201 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGTATGAAAGACGTGGTGGTCGTGGTGACAGGACTGGCCGCTATGGAGCCACTGACCGCTCGCAGG
ATGATGGTGGGAGAACCGCAGCCGAGACCAGCTACCGGACATGGACTACCGTTTATATCCTCGCGA
GTATGGCAGCCAGGAGGCAAGCATGACTATGACGACTCATCTGAGGAGCAGAGTCCGGAGATCCGTGGC
CAGCTGCAGTCGCACGGCGTGCAAGCAGGGAGGTTTCGGCTGATGCGGAACAAATCTTCAGGTGACAGCC
GGGGCTTCGCCTTCGTGAGTTTAGTCACTTGCAGGACGCTACACGATGGATGGAAGCCAATCAGCACTC
CCTCAACATCCTGGGCCAGAAGGTGTCGATGCACTACAGTGACCCCAAGCCCAAGATCAATGAGGACTGG
CTGTGCAATAAGTGTGGCGTCCAGAACTTCAAACGCCGAGAGAAGTGCTTCAAATGTGGCGTGCCCAAGT
CAGAGGCAGAGCAGAAGCTGCCCTCGGCACGAGGCTGGATCAGCAGACACTGCCACTGGGTGGCCGGGA
GCTGAGCCAGGGCCTGCTTCCCTGCCGACGCCCTACCAGGCCAGGGAGTCTGGCCTCCCAAGCCCTG
TCACAGGGCTCGGAGCCAAGCTCAGAGAAGCCCAATGACACCATCATTTTGCGCAACCTGAACCCACACA
GCACCATGGATTCCATCCTGGGGGCCCTGGCACCTACGCGGTGCTGTCTCTCCAACGTGCGCGTCAT
AAAGGACAAGCAGACCCAATGAACCGCGGCTTTGCCTTCATCCAGCTCTCCACCATCGAGGCAGCCAG
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TGCCATTGTGCGGCCAGTGGGCCATCTCACAGGCCTCCCAAGGTGGGAGGGTACCTGGGCCACCTCC
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CACTGGAGCAGGTCCCGAGGCCCTCCCTAGAGCCTGGGGCCGACTCTGTGTCGATGCAGGCTTCTCTCGC
GCCCAGCCTGGTGTCTCCTGGCATCTACCAACAATCAGCCGAGGCGAGCAGTAGCCAGGGCACTGCTG
CCAACAGCCAGTCGTATACCATCATGTACCCGCTGTGCTCAAATCTGAGCTCCAGAGCCCTACCCATCC
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GTCTCTACCTACCAAGTACGATGAGACCTCCGGCTACTACTATGACCCCAAGAGCCGCTCTACTATGACC
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CAGCTCTCAGGGCTCCACAAGCAAACTTGAGATTACCGGCGAGCCCACTTGTGAGAAAACGAGCTAG
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GGGCTCCGGCCTGGGTGCACGGGGCAGCTCCTACGGGTGACCTCAACCGAGTCTACAAGGAGACACTG
CACAAGACAATGGTGACCCGCTTCAACGAGGCCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC200201 protein sequence
 Red=Cloning site Green=Tags(s)

MEYERRGGGRDRTGRYGATDRSQDDGGENSRDHDYRDMYRSYPREYGSQEGKHDYDDSSSEEQSAEIRG
 QLQSHGVQAREVRLMRNKSSGQSRGFAFVEFSLQDATRWMEANQHSLNILGQKYSMHYSDPKPKINEDW
 LCNKCGVQNFKRREKCFKCGVPKSEAEQKLPLGTRLDQQTLPGLGREL SQGLLPQPYPQAQGVLASQAL
 SQGSEPSSSENANDTIILRNLPNSTMDSILGALAPYAVLSSSNVRVIKDKQTQLNRGFAFIQLSTIEAAQ
 LLQILQALHPPLTIDGKTINVEFAKGSKRDMASNEGSRI SAASVASTAIAAAQWASQASQGGEGTWATS
 EEPVPDYSSYYQQDEGYGNSQGTESLYAHGYLKGTKGPGITGKGDPTGAGPEASLEPGADSVSMQAFSR
 AQPGAAPGIYQQSAEASSSQGTAAANSQSYTIMSPAULKSELQSPHPSSALPPATSPTAQESYSQYPVPD
 VSTYQYDETS GYYYDPQTGLYYDPNSQYYNAQSQQYLWYDGERRTYVPALQSAADGHKETGAPSKEGKE
 KKEKHKTAKQIAKDMERWARSLNKQKENFKNSFQPISSLRDDERRESATADAGYAILEKKGALAERQH
 TSMDLPKLASDDRPSPRGLVAAYSGESDSEEEQERGGPEREEKLTDWQKLACLLCRRQFPSKEALIRHQ
 QLSGLHKQNL EIHRAHLSENELEALEKNDMEQMKYRDRAAERREKYGIPEPPEPKRRKYGGISTASVDF
 EQPTRDGLGSDNIGSRMLQAMGWKEGSLGRKKQGIPTIEAQTRVRGSLGARGSSYGVSTESYKETL
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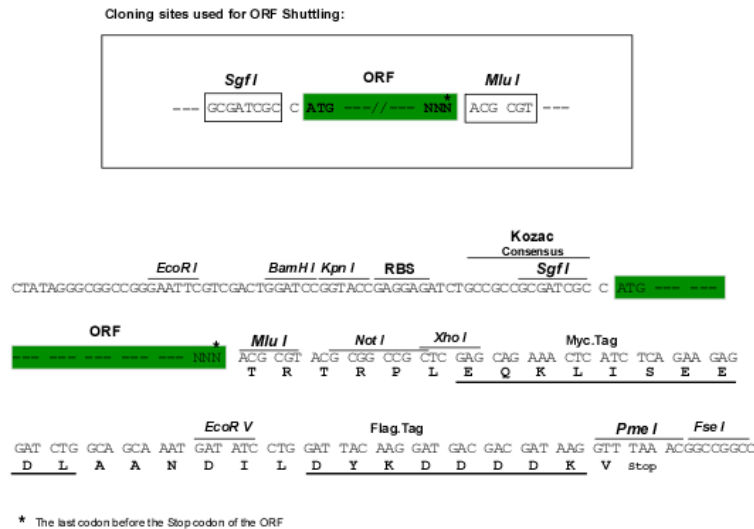
Chromatograms:

https://cdn.origene.com/chromatograms/mk6588_b03.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_152856

ORF Size: 2556 bp

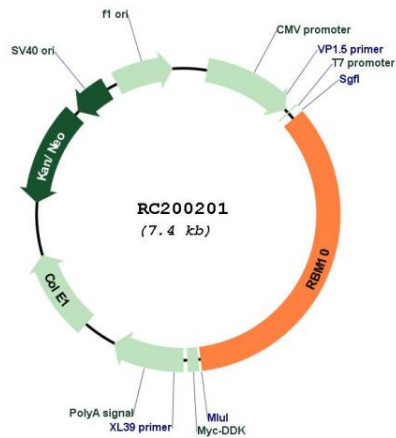
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.

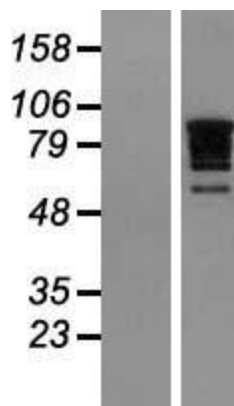
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_152856.3</u>
RefSeq Size:	3178 bp
RefSeq ORF:	2559 bp
Locus ID:	8241
UniProt ID:	<u>P98175</u>
Cytogenetics:	Xp11.3
Domains:	G-patch, RRM, zf-RanBP, zf-C2H2
Protein Families:	Druggable Genome
MW:	94.4 kDa
Gene Summary:	This gene encodes a nuclear protein that belongs to a family proteins that contain an RNA-binding motif. The encoded protein associates with hnRNP proteins and may be involved in regulating alternative splicing. Defects in this gene are the cause of the X-linked recessive disorder, TARP syndrome. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Mar 2011]

Product images:



Circular map for RC200201



Western blot validation of overexpression lysate (Cat# [LY407185]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200201 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).