

## Product datasheet for **RG235045**

### **RBM10 (NM\_001204467) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	RBM10 (NM_001204467) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RBM10
Synonyms:	DXS8237E; GPATC9; GPATCH9; S1-1; TARPS; ZRANB5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG235045 representing NM\_001204467  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGAGTATGAAAGACGTGGTGGTCGTGGTGACAGGACTGGCCGCTATGGAGCCACTGACCCTCGCAGG  
 ATGATGGTGGGGAGAACCAGCCAGAGACCAGCTACCGGACATGGACTACCGTTCATATCCTCGCGA  
 GTATGGCAGCCAGGAGGGCAAGCATGACTATGACGACTCATCTGAGGAGCAGAGTGCGGAGGATTCTAC  
 GAGGCCTCCCCGGGCTCCGAGACTCAGCGTAGGCGGCGGCGGCACAGGCACAGCCCCACCGGCCGC  
 CAGGCTCCCCGAGACGGGACTATCGGGACCAGGACTATCGGACCGAGCAAGGGGAGGAGGAGGA  
 GGAGGAGGATGAGGAGGAGGAGAAGGCCAGTAACATCGTCATGCTGAGGATGCTGCCACAGGCAGCC  
 ACTGAGGATGACATCCGTGGCCAGCTGCAGTCGCACGGCGTCAAGCACGGGAGGTTCCGGCTGATCGGA  
 ACAAATCTTCAGGTCAGAGCCGGGGCTTCGCCTTCGTGAGTTTAGTCACTTGACAGGACGCTACACGATG  
 GATGGAAGCCAATCAGCACTCCCTCAACATCCTGGGCCAGAAGGTGTCGATGCACTACAGTGACCCCAAG  
 CCCAAGATCAATGAGGACTGGCTGTGCAATAAGTGTGGCGTCCAGAACTTCAAACGCCGAGAGAAGTGCT  
 TCAAATGTGGCGTGCCCAAGTCAGAGGCAGAGCAGAAGCTGCCCTCGGCACGAGGCTGGATCAGCAGAC  
 ACTGCCACTGGGTGGCCGGGAGCTGAGCCAGGGCTGTTCCCCTGCCGACGCCCTACCGGCCAGGGA  
 GTCCTGGCCTCCCAAGCCCTGTACAGGGCTCGGAGCCAAGCTCAGAGAACGCCAATGACACCATCATTT  
 TGCGCAACCTGAACCCACACAGCACCATGGATTCCATCCTGGGGGCCCTGGCACCTACCGGGTGTGTC  
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 GCAGTAGCCAGGGCACTGCTGCCAACAGCCAGTCGTATACCATCATGTCACCCGCTGTGCTCAAATCTGA  
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 AGACCGGCTCTACTATGACCCCACTCCAGTATTACTACAATGCTCAGAGCCAGCAGTACCTGTACTG  
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 CCCTCGAAGGAGGGCAAAGAGAAGAAGGAGAAGCACAAGACCAAGACAGCTCAACAGATTGCCAAGGACA  
 TGGAACGCTGGGCCCGCAGTCTCAACAACAAAAAAGAACTTCAAAAATAGCTTCCAGCCTATCAGCTC  
 CCTGCGAGATGACGAGAGGCGGGAGTCAGCCACTGCAGATGCTGGCTATGCCATCCTCGAGAAGAAGGGA  
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 CGCGAGGACTGGTGGCAGCCTACAGCGGGGAGAGTGACAGTGAGGAGGAGCAGGAGCGTGGGGCCCTGA  
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 GAGGCGCTCATCCGGCACAGCAGCTCTCAGGGCTCCACAAGCAAAACCTTGAGATTACCGGCGAGCCC  
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 TGCTGCAGGCCATGGGCTGGAAGAGGGCAGGGCCTGGGCCGCAAGAAGCAGGGCATTGTAACGCCTAT  
 CGAGGCCCAAACCGGTGCGGGGCTCCGGCCTGGGTGCACGGGGCAGCTCTACGGGTACCTCAACC  
 GAGTCTACAAGGAGACTGCACAAGACAATGGTGACCCGCTTCAACGAGGCCAG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

Protein Sequence: >RG235045 representing NM\_001204467  
 Red=Cloning site Green=Tags(s)

MEYERRGGRDRTGRYGATDRSQDDGGENRSRDHDYRDMDYRSYPREYGSQEGKHDYDDSSEEQSAEDSY  
 EASPGSETQRRRRRRHRHSPTGPPGFPRDGYRDQDYRTEQEEEEEEEEEEEEKASNI VMLRMLPQAA  
 TEDDIRGQLQSHGVQAREVRLMRNKSSGQSRGF AFVEF SHLQDATRWMEANQHSLNILGQKVS MHYSDPK  
 PKINEDWLCNKCGVQNFKRREKCFKCGVPKSEAEQKLP LGTRLDQQTLPLGGRELSQGLLPLPQPYQAQG  
 VLASQALSQGSEPSSENANDTIILRNLNPHSTMSILGALAPYAVLSSSNVRVIKDKQTQLNRGFAFIQL  
 STIEAAQLLQILQALHPPLTIDGKTINVEFAKGSKRDMASNEGSRI SAASVASTAIAAAQWAI SQASQGG  
 EGTWATSEPPVDYSYYQQDEGYGNSQGTESL YAHGYLKGTKGPGITGTKGDPTGAGPEASLEPGADSV  
 SMQAFSRAQPGAAPGIYQSAEASSSQGTAA NSQSYTIMSPAVLKSELQSPHPSSALPPATSPTAQESY  
 SQYPVPDVSTYQYDETS GYYYDPQTGL Y YDPNSQYYNAQSQQYLWDGERRTYVPALEQSADGHKETGA  
 PSKEGKEKKEKHKTKTAQQIAKDMERWARSLNKQKENFKNSFQPISSLRDDERRESATADAGYAILEKKG  
 ALAERQHTSMDLPKLASDDRPSPPRGLVAAYS GSDSEEEQERGGPEREEKLTDWQKLACLLCRRQFPSK  
 EALIRHQQLSGLHKQNL EIHRAHLSENELEALEKNDMEQMKYRDRAAERREKYGIPEPPEPKRRKYGGI  
 STASVDFEQPTRDGLGSDNIGSRMLQAMGWKEGSLGRKKQGI VPIEAQTRVRGSGLGARGSSYGVST  
 ESYKETLHKTMVTRFNEAQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

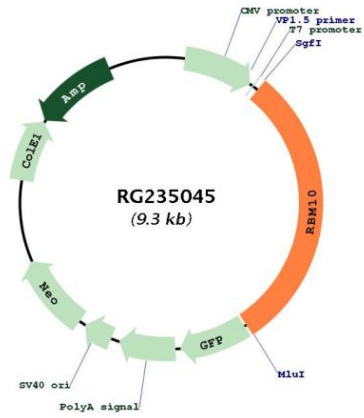
Cloning Scheme:



ACCN: NM\_001204467

<b>ORF Size:</b>	2787 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001204467.2</a>
<b>RefSeq Size:</b>	3409 bp
<b>RefSeq ORF:</b>	2790 bp
<b>Locus ID:</b>	8241
<b>UniProt ID:</b>	<a href="#">P98175</a>
<b>Cytogenetics:</b>	Xp11.3
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	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 RG235045