

## Product datasheet for **RG230953**

### **RBM14 (NM\_001198837) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** RBM14 (NM\_001198837) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** RBM14  
**Synonyms:** COAA; PSP2; SIP; SYTIP1; TMEM137  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG230953 representing NM\_001198837  
**Red**=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAAGATATTCGTGGGCAACGTCGACGGGGCGGATACGACTCCGGAGGAGCTGGCAGCCCTCTTTGCGC  
CCTACGGCACGGTCATGAGCTGCGCCGTCATGAAACAGTTCGCCTTCGTGCACATGCGCGAGAACCGGG  
CGCGCTGCGGCCATCGAAGCCCTGCACGGCCACGAGCTGCGCCGGGGCGCGCTCGTGGTGGAGATG  
TCGCGCCCAAGGCCTCTTAATACTTGAAGATTTTCGTGGCAATGTGTCGGCTGCATGCACGAGCCAGG  
AACTGCGCAGCCTCTTCGAGCGCCGCGACGCGTCATCGAGTGTGACGTGGTAAAGGTATGGTTCCGAC  
CGCGCTT

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG230953 representing NM\_001198837  
**Red**=Cloning site **Green**=Tags(s)

MKIFVGNVDGADTTPEELAAALFAPYGTVMSCAVMKQFAFVHMRENAGALRAIEALHGHELPRGRALVVEM  
SRPRPLNTWKIFVGNVSAACTSQELRSLFERRGRVIECDVVKGMVPTGV

**SGP**TRRRLE - GFP Tag - V

**Restriction Sites:** Sgfl-RsrII



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<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_001198837.2</a>
<b>RefSeq Size:</b>	3950 bp
<b>RefSeq ORF:</b>	360 bp
<b>Locus ID:</b>	10432
<b>UniProt ID:</b>	<a href="#">Q96PK6</a>
<b>Cytogenetics:</b>	11q13.2
<b>Protein Families:</b>	Druggable Genome, Stem cell - Pluripotency, Transcription Factors
<b>Gene Summary:</b>	This gene encodes a ribonucleoprotein that functions as a general nuclear coactivator, and an RNA splicing modulator. This protein contains two RNA recognition motifs (RRM) at the N-terminus, and multiple hexapeptide repeat domain at the C-terminus that interacts with thyroid hormone receptor-binding protein (TRBP), and is required for transcription activation. Alternatively spliced transcript variants encoding different isoforms (with opposing effects on transcription) have been described for this gene. [provided by RefSeq, Oct 2011]