

Product datasheet for **RG218360**

RBM23 (NM_001077352) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	RBM23
Synonyms:	CAPERbeta; PP239; RNPC4
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG218360 representing NM_001077352
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCTGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGCATCTGATGACTTTGACATAGTGATTGAGGCCATGCTGGAAGCTCCCTATAAAAAAGAAGAGGATG
AGCAACAAAGGAAAGAGTTAAAAAGGATTATCCTAGCAATACCACCAGCAGCACCAGCAACAGTGGCAA
TGAGACCAAGTGAAGCAGCACCATCGGGGAGACAAGCAATCGTAGTCGAGATCGGGATCGGTATAGACGG
AGAAATAGTCGGAGCCGAAGTCCAGGTCCGAGTGTCTGACCGTAGCCGTAGCTGGGATCGTCGACATG
GTAGTGAGTCGCGAAGTCGGGACCATCGTCGTGAGGATCGTGTGCATTACAGGAGTCCCTCCACTTGCCAC
TGGGGAGCCAGTTGATAATCTGAGTCTGAGGAGCGTGATGCCCGCACAGTTTTCTGTATGCAGTTAGCT
GCCCCAATTCGGCTCGAGATCTGGAGGACTTTTTCTGCTGTAGGCAAGGTTTCGCGATGTACGTATCA
TCTCAGATCGGAATCACGTCTTCTAAGGGCATTGCCTACGTGGAATTCTGTGAAATCCAGTCTGTGCC
ACTGGCCATTGGGCTGACTGGGCAGCGTTGCTGGGAGTGCCTATCATTGTACAGGCTTCACAGGCAGAG
AAAAACCGACTGGCAGCCATGGCCAACAACCTGCAAAAGGGCAATGGTGGACCAATGCGCCTCTATGTGG
GTTCCCTGCACTTCAATATCACTGAAGACATGCTCCGGGGCATCTTTGAGCCCTTTGGTAAAATTGATAA
TATTGTCCTGATGAAGGACTCAGATACAGGCCGCTCTAAAGGTTATGGTTTCATCACGTTCTCTGATTCT
GAGTGTGCCCGCGGGCCCTGGAACAGTTGAATGGGTTTGAGCTTGTGTCGACCTATGAGGGTTGGCC
ATGTGACTGAGCGACTGGATGGTGACAGACATCACTTTTCTGATGGGGACCAGGAGCTGGATCTGGG
ATCAGCAGGTGGACGTTTTAGCTCATGGCAAACTGGCAGAAGGCGCTGGAATCCAAGTCCCAAGCACT
GCTGCTGCTGCTGCCGCCGCCAGGCTGCTGCCTTGCAACTGAATGGAGCAGTTCCTTTGGGG
CCCTGAATCCAGCAGCTCTGACTGCTGAGTCCAGCCCTGAACCTTGCTCCAGTGTTTCCAGCTCTC
CAGCCTCTTACCCCCAGACCATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



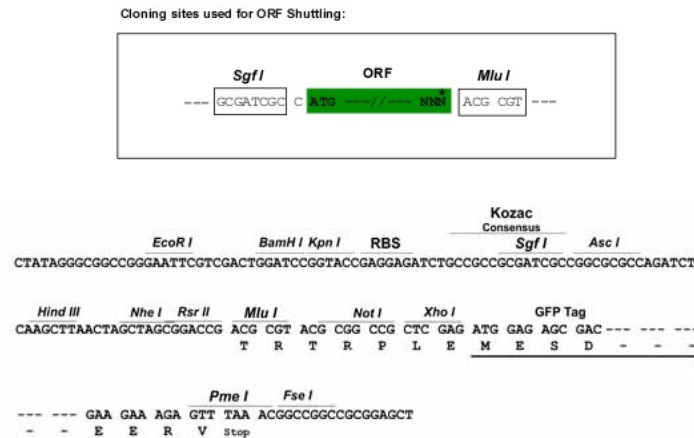
Protein Sequence: >RG218360 representing NM_001077352
 Red=Cloning site Green=Tags(s)

MASDDFDIVIEAMLEAPYKKEEDEQQRKEVKDYPSNTTSSTNSGNETSGSSTIGETSNRSRDRDRYRR
 RNSRSRSPGRQCRHRSRSDRRHGSERSRDHREDRVHYRSPPLATGEPVDNLSPPEEDARTVFCMQLA
 ARIRPRDLEDFSAVGKVRDVRIISDRNSRRSGIAYVEFCEIQSVPLAIGLTGQRLLGVPIIVQASQAE
 KNRLAAMANNLQKNGGPMRLVYVSLHFNITEDMLRGIFEPFGKIDNIVLMKDSDTGRSKGYGFIITFSDS
 ECARRALEQLNGFELAGRPMRVGHVTERLDGGTDITFPDGDQELDLGSAGGRFQLMAKLAEGAGIQLPST
 AAAAAAAAAQAAALQLNGAVPLGALNPAALTALSPALNLASQCFQLSSLFTPQTM

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001077352

ORF Size: 1215 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: [NM_001077352.2](#)

RefSeq Size: 2522 bp

RefSeq ORF: 1218 bp

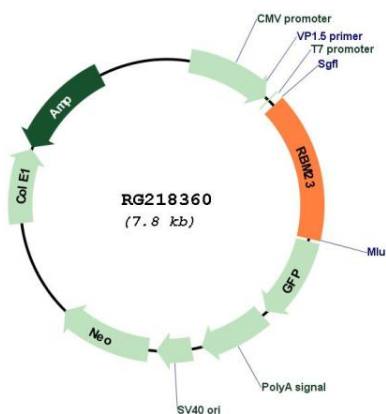
Locus ID: 55147

UniProt ID: [Q86U06](#)

Cytogenetics: 14q11.2

Gene Summary: This gene encodes a member of the U2AF-like family of RNA binding proteins. This protein interacts with some steroid nuclear receptors, localizes to the promoter of a steroid-responsive gene, and increases transcription of steroid-responsive transcriptional reporters in a hormone-dependent manner. It is also implicated in the steroid receptor-dependent regulation of alternative splicing. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG218360