

Product datasheet for **RG240113**

RBM16 (SCAF8) (NM_001286189) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RBM16 (SCAF8) (NM_001286189) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RBM16
Synonyms:	RBM16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG240113 representing NM_001286189. Blue =ORF Red =Cloning site Green =Tag(s)

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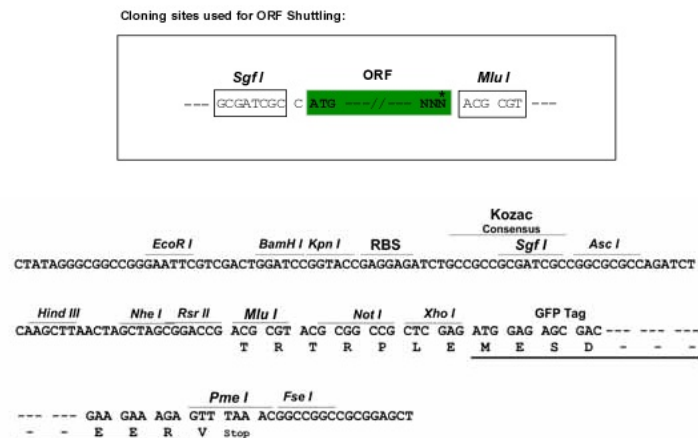
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC

Protein Sequence: >Peptide sequence encoded by RG240113
Blue=ORF Red=Cloning site Green=Tag(s)

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Restriction Sites: SgfI-MluI

Cloning Scheme:

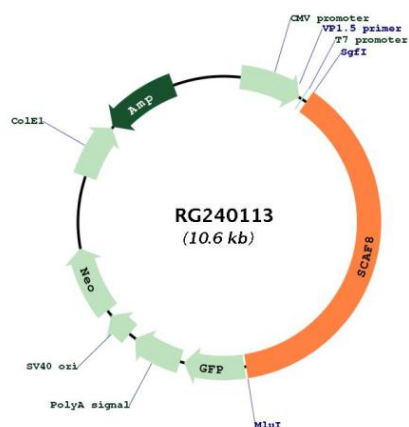


ACCN: NM_001286189

ORF Size: 4070 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).
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001286189.1 , NP_001273118.1
RefSeq Size:	4908 bp
RefSeq ORF:	4014 bp
Locus ID:	22828
UniProt ID:	Q9UPN6
Cytogenetics:	6q25.2
MW:	147.8 kDa
Gene Summary:	Anti-terminator protein required to prevent early mRNA termination during transcription (PubMed:31104839). Together with SCAF4, acts by suppressing the use of early, alternative poly(A) sites, thereby preventing the accumulation of non-functional truncated proteins (PubMed:31104839). Mechanistically, associates with the phosphorylated C-terminal heptapeptide repeat domain (CTD) of the largest RNA polymerase II subunit (POLR2A), and subsequently binds nascent RNA upstream of early polyadenylation sites to prevent premature mRNA transcript cleavage and polyadenylation (PubMed:31104839). Independently of SCAF4, also acts as a positive regulator of transcript elongation (PubMed:31104839).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG240113