

## Product datasheet for SC208833

### RBM16 (SCAF8) (NM\_014892) Human 3' UTR Clone

#### Product data:

|                           |                                                                                                                                                                                                                                                    |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:             | 3' UTR Clones                                                                                                                                                                                                                                      |
| Product Name:             | RBM16 (SCAF8) (NM_014892) Human 3' UTR Clone                                                                                                                                                                                                       |
| Symbol:                   | RBM16                                                                                                                                                                                                                                              |
| Synonyms:                 | RBM16                                                                                                                                                                                                                                              |
| Mammalian Cell Selection: | Neomycin                                                                                                                                                                                                                                           |
| Vector:                   | pMirTarget (PS100062)                                                                                                                                                                                                                              |
| ACCN:                     | NM_014892                                                                                                                                                                                                                                          |
| Insert Size:              | 856 bp                                                                                                                                                                                                                                             |
| Insert Sequence:          | <p>&gt;SC208833 3'UTR clone of NM_014892</p> <p>The sequence shown below is from the reference sequence of NM_014892. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p> |

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GGCAAGTTGGACGCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAACGATCGCC
GTAGAAAGCACAGAACTGAGGGGACATAATCACTCACTCAGTAGGTAAAAGATACCTTTTGTAAAGTTG
TCATCTCTCTGTAATAGATAATGGCTGACTGGACCATAGTTGTTCACTTTTGTCTGCCAGAATTAAGTT
AATCTGATGTTTCATGTTACCTTTCTCTAAAAATAATTGTACAAGTACTGTATAGACATTGTTCTTA
ATATGAACATGGTAGGTAACTTTTTTTTTTATTTTTTCTGATAAAATACAAATGTTGGCCCCAGATTC
TTTTAACGTCAAGGAAATGAATAACAGCTTGTCAGAGACTTCCTATGGAAGAAAGAATTTTTTAGATAC
TATCATTAGGTTGGATATGGTAATAGATATATTTTCAAGATAGCAAGTGGTGGTATATCTTATCCATATC
TTTAGGCTGCTGCAGAATTTTAAAGTTATAGATAAAGCTGTGATTTTTATGCAAGACTGGCTCTAGG
TATTTGAGGAGCACAATACAGAGATTTTAAAAAGTGATTTTGTAATCTACACTACGGTCTCTGTTTC
TCCAAAGTAAAGTGTGTTGATTTGTTCTCATACTGCAGTGAGTAAAAAGAAACAAGAAAAACAAC
ATAAATATTAAAGTACGTTTCAATGTTGGGTGAATTTGTTTTTAGATGCCAATAAACTTATTTGTTT
GATAACAGTGTTCTAGGAATTGTATTTTTTAACTATAAATCTTAAACCTTGAATTATTATTAGCA
TGTGCTTATTTTTTGAAAAGCTTTCTATCATAACAACATGAACATGTGGTGGAAAAAGCATGTACT
TTGATATAAAAAATCATGCAGCCTCTCA
ACGCGTAAGCGGCCGCGCATCTAGATTGGAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCGCCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI


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|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| OTI Disclaimer: | Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Components:     | The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| RefSeq:         | <a href="#">NM_014892.5</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 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] |
| Locus ID:       | 22828                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| MW:             | 33.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |