

## Product datasheet for **SC306850**

### REM2 (NM\_173527) Human Untagged Clone

#### Product data:

|                           |                                       |
|---------------------------|---------------------------------------|
| Product Type:             | Expression Plasmids                   |
| Product Name:             | REM2 (NM_173527) Human Untagged Clone |
| Tag:                      | Tag Free                              |
| Symbol:                   | REM2                                  |
| Mammalian Cell Selection: | None                                  |
| Vector:                   | <u>pCMV6-XL5</u>                      |
| E. coli Selection:        | Ampicillin (100 ug/mL)                |



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**Fully Sequenced ORF:** >OriGene sequence for NM\_173527 edited  
 GAGGGTGTGCGAGCTGTGGGCTGCACACGCACACGCACACGCACACGCACTGATGC  
 ACACGGACCTGGACACAGACATGGACATGGACACAGAAACACAGCACTTGCCCTCTG  
 GCAGCCGCGGGGCTCCCTCCAGGGACGCCACACCAGAAGCAGATGCCACGCTACTAA  
 AGAAGTCAGAGAACTGTTGGCAGAGTTGGACCGAGCGGGTTACCTCTGCCCTGGGG  
 CCCCCAGACGAAGAGGCAGTATGCCTGTCCCTACAAGCACCAGCTCCGGCGGGCCAGG  
 CTGTAGATGAACCTTGACTGGCCACCTCAGGCCTCATCCTCTGGCTCGTCTGACTCCTTG  
 GCTCAGGGGAGGCAGCCCTGCTCAAAAGGATGGCATCTTCAAGGTCATGCTAGTGGGG  
 AGAGCGGCGTGGCAAGAGCACCTAGCAGGCACTTTTGGTGGTCTCCAGGGAGACAGTG  
 CTCACGAACCGGAGAACCAGAGGATACCTATGAGAGACGCATCATGGTGGATAAGGAGG  
 AAGTGACTCTAGTCGTTTATGACATCTGGGAACAGGGGGATGCAGGAGGGTGGCTGCGGG  
 ACCACTGCCTTCAGACCGGGGACGCCTTTCTCATCGTCTTCTCAGTCACCGACCGACGGA  
 GTTTCTCCAAAGTTCAGAGACCCTACTTCGGCTCCGGGTGGGAGGCCGACACGACC  
 TACCCGTTATCCTCGTTGAAACAAGAGCGACTTGGCCCGCTCCCGGGAGGTATCACTGG  
 AGGAGGGCCGCCACCTGGCCGGGACGCTGAGCTGCAAGCACATCGAGACGTCGGCCGCAC  
 TGCAACCAACACGAGGGAGCTCTTCGAGGGCGCGGTGCGCCAGATCCGGCTGCGGCGGG  
 GCCGAAACACGCGGAGGCCAGAGGCCGATCCGGGCAGCCCCGAGGGCCCTGCGCCAC  
 CTGCACGCGCGAGAGCCTCACCAGAAAGCAAGAGGTTCTCGCCAACCTGGTGCCGC  
 GCAACGCCAAGTCTTCAAGCAGCGCTCCAGGTCGTGTACGACCTCTCGGTGCTCTGAG  
 CCGCGGTGCGCATGGCCACTGCGGTGCGCATGGTACCGCGCCCTCCGCTCGCCCCCT  
 CGCCCCGCCCCGCCCCGCTCCGGCTTCTTGGTGGAGGCCGTCTAGGAAACAAAAACTC  
 CCAGGATGCCCGGTGTGACCGCGGGGCGGCCGGGGCCGCTCGGCGGCACCTCCACA  
 CCCGCCCAACGCGTTCTCTGGAGCTTTGGGCTCAGGGCGCCTAGAAGCGGAGGACGCA  
 GACCTGAAGGCGCGCGGTGAGCGGGCGGGTTCTGCTGGGTGCGGAAGAAAAATAATTCT  
 GCAAGGTATTTTGTTTTTTATTAATTGCGCTTGCCACCTCATCTGTAAGAGATTCTA  
 AAAGCAAGATCTGAAAAGTGCTTCGTAGACTCCTTGACGGAGTTGCCTCCTTTGTACG  
 CTGCGTGAACATGCCTCACCTTTAAGAGAGTCTTAAAGGTAAAGACACGAAAACACTTCC  
 TCCAGGGACCTTCCGAAAACGTTCTGGCTCTCATCTGGTGCGGCATGTGTCCACTTTGC  
 CTTTAAGGAGTTCTTAAAGGCAAGGGCCTGGAAGTGTCTTCTGAGATGGATTCTTTG  
 ACTTACCAGTCCACCACGGCACTTCCCTTTAAGGTTATTAAGGTAAAGGGTGGACAGA  
 CTTTCTGCATTAGATAATGAGCAGTGGCAACCCCTTTTGGCCAGGGCCAGGGGGGCACC  
 AGCAAGGGGCCACCTTTCCCTTTTCAATAAATAATTTTGTACTGCCTCAAAAAAAAAA  
 AAAAAAAAAAAAAAAAAA

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_173527 unedited  
 NNNNNNGGGGAGTACGCTACGCCGNGACGCCATCCAGCTGTTTTGACCTCCATANAAA  
 AACCGGNACCGATCCAGCTCCGGNCTAGCCTAGGCCGCGGACGGATAACAATTTT  
 ACACAGGNAACAGCTATGACCATTAGGCCTATTTAGGTGACACTATAGAACAAGTTTGT  
 ACAAAAAAGCAGGCTGGTACCGTCCGGAATCCCGGGATGAGGGTGCTGCGAGCTGCTG  
 GGCTGCACACGCACACGCACACGCACACGCACTGATGCACACGACCTGGACACAGAC  
 ATGGACATGGACACAGAAACACAGCACTTGCCCTCTGGCAGCCGCCGGGCTCCCT  
 CCAGGGACGCCACACCAGAAGCAGATGCCACGCTACTAAGAAGTCAGAGAACTGTTG  
 GCAGAGTTGGACCGGAGCGGGTTACCTCTGCCCTGGGGCCCCAGACGAAGAGGCAGT  
 ATGCTGTCCCTACAAGCACCAGCTCCGGCGGGCCAGGCTGTAGATGAACCTTGACTGG  
 CCACCTCAGGCCTCATCCTCTGGCTCGTCTGACTCCTTGGGCTCAGGGGAGGCAGCCCT  
 GCTCAAAAGGATGGCATCTTCAAGGTCATGCTANTGGGGAGAGCGCGTGGGCAAGAGC  
 ACCCTAGCAGGCACTTTTGGTGGTCTCCAGGGAGACAGTGTCTACGAACCGGAGAACCCA  
 GAGGATACCTATGAGAGACCCATCAGGGTGGATAAGGAAGGAATGACTAGTCCTTTAT  
 GACATCTGGGAACAGGGGATGCAGGAGGTGGCTGCGGGGACCCTGCC

**Restriction Sites:** NotI-NotI  
**ACCN:** NM\_173527

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Insert Size:</b>           | 1900 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>OTI Disclaimer:</b>        | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).                                                                                                                                                                          |
| <b>OTI Annotation:</b>        | The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.                                                                                                                                                                                                                                                                                                                                                                               |
| <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>                | <u><a href="#">NM_173527.1</a></u> , <u><a href="#">NP_775798.1</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq Size:</b>           | 1876 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 993 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Locus ID:</b>              | 161253                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID:</b>            | <u><a href="#">Q8IYK8</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>          | 14q11.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Gene Summary:</b>          | Binds GTP saturably and exhibits a low intrinsic rate of GTP hydrolysis.[UniProtKB/Swiss-Prot Function]                                                                                                                                                                                                                                                                                                                                                                                                                 |