

Product datasheet for **SC304032**

REM (REM1) (NM_014012) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	REM (REM1) (NM_014012) Human Untagged Clone
Tag:	Tag Free
Symbol:	REM
Synonyms:	GD:REM; GES
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_014012 edited
 GTGGTACAGCCTGGAGCATCCAGCCGCTGGAGCTGCGAGGGACCCTGGACCCCTCCCACG
 CCGAGGTTTATGCAGAGCCTGAGGCCAGAAAACCTAGGGACTTTCTGCCCAAGAAGCTG
 AGGCACCTCCTACTCCCCTCTGAACAAGAGGGGGATCTGGAAGAAGCCATACAGCAGCTC
 ATCAGGACACTATAGAAAGAAGCAGCTCAAAGCAATTGGCTGACAGCCAATCCCCCTTC
 TTTCAGAAGGAAAGAAGGAAGAAGCAAAACCCCCCTACCAAAGATGACACTCAACACCG
 AGCAGGAAGCAAAGACCCCTCTGCACCGCGAGCCAGCACCCCACTGCCCTGTCCCCAC
 GGGGCCACCGCCTGGCCGCTGAGCACAGTGCCTTCCACTCAATCCCAGCATCCCCGGC
 TGGCCAATCAGCCTCCCTCAACCCTCCACCCAGAAACCTTCACCTGCCCCAGATGATT
 GGTCTTCTGAATCCAGCGACTCTGAAGGCTCCTGGGAGGCTCTCTACCGTGTGGTGCTAC
 TTGGAGATCCTGGAGTGGGAAGACCAGCTTGGCCAGCCTCTTTGAGGGAAGCAAGAGA
 GGGACCTCCATGAACAGCTGGGAGAAGATGTATATGAGAGGACCCTCACGGTGGATGGAG
 AAGACACCACACTGGTGGTCTGGACACCTGGGAGGCCGAGAACTGGATAAAAGCTGGA
 GCCAGGAGTCATGCCTGCAGGGGGCAGTGCCTATGTCATCGTATACTCCATCGCAGACC
 GAGGCAGCTTTGAGAGTGCCTCTGAGCTCCGCATCCAGCTGCGGCGCACACATCAGGCAG
 ACCATGTGCCCATCATCTCGTGGGCAACAAGGCAGACTTGGCCCGCTGCCGAGAAGTCT
 CTGTGGAAGAGGGCCGCGCTGCGCTGTGGTGTTCGACTGTAAATTCATCGAGACATCCG
 CCACGCTGCAGCACAATGTGGCCGAGCTCTTCGAGGGCGTGGTGCGCCAACTGCGCTTGC
 GCCGCCGGGACAGTGCGGCAAGGAACCCCAAGCACCCCGACGGCCGGCCAGCCTAGCCC
 AGCGCGCTCGTCGCTTCTGGCACGCTGACAGCCCGCAGCGCACGCCGCCGGGCACTCA
 AGGCCCGCTCCAAGTCTGCCACAATCTGGCCGTGCTCTGAAGCCCCCGCCCTTCTGAG
 AGTTGGCGGGTCACTGAGGTGCATTCTGGGCTCCAGGGACGCCACTGCGGGGCAAGGCG
 CCGTTACCTGGAGTCTGCATCATGGGTCTTGCTTGCCTGCTGCCCTGATGCCTGAGCAT
 CCCCCAGATCCAAGCCTGGGGGATCCCGGAAAGCGATGGACAGACAGAGATGGGGCCG
 AAGCCCCAAGCTGGGCACAAAGTAGTTTTTTACGTGGTGGTGTCTTTTGTAAAAAAT
 CTTCTTGTCCCTGGGCTCTGGCCAACCCTCAGAAACCCTCACAATAAACCCAGACCAGAA
 GGATGTCCCATCTGAATGCCAGACCTCTCCATCTCGGCTCTCCAGGCGTCTCCACCTA
 CTGCCCTCCCCTACACTTGACTGTAGACTGGTCTGGCCTGCTGGCCTGGGCGTCAGGG
 CGCATCAATAAAGTACTTGACCAGTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AA

Restriction Sites: Please inquire

ACCN: NM_014012

Insert Size: 1700 bp

OTI Disclaimer: 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).

OTI Annotation: The ORF of this clone has been fully sequenced and found to be a perfect match to NM_014012.4.

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.
RefSeq:	<u>NM_014012.4, NP_054731.2</u>
RefSeq Size:	1675 bp
RefSeq ORF:	897 bp
Locus ID:	28954
UniProt ID:	<u>O75628</u>
Cytogenetics:	20q11.21
Protein Families:	Druggable Genome
Gene Summary:	The protein encoded by this gene is a GTPase and member of the RAS-like GTP-binding protein family. The encoded protein is expressed in endothelial cells, where it promotes reorganization of the actin cytoskeleton and morphological changes in the cells. [provided by RefSeq, Jul 2008]