

## Product datasheet for **SC110524**

### REEP4 (NM\_025232) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	REEP4 (NM_025232) Human Untagged Clone
Tag:	Tag Free
Symbol:	REEP4
Synonyms:	C8orf20; PP432; Yip2c
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC110524 sequence for NM_025232 edited (data generated by NextGen Sequencing)

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ATGGTGCCTGGATGATCTGTCGCCTGGTGGTGGTGTGGGATGCTGTGTCCAGCT
TATGCTTCCTATAAAGGCTGTGAAGACCAAGAACATTCGTGAATATGTGCGGTGGATGATG
TACTGGATTGTTTTGCACTCTTCATGGCAGCAGAGATCGTTACAGACATTTTTATCTCC
TGGTTCCTTTCTACTATGAGATCAAGATGGCCTTCGTGCTGTGGCTGCTCTCACCTAC
ACCAAGGGCGCCAGCCTGCTTTACCGCAAGTTTGTCCACCCGTCCTGTCCCGCCATGAG
AAGGAGATCGACGCGTACATCGTGCAGGCCAAGGAGCGCAGCTACGAGACCGTGCCTCAGC
TTCGGGAAGCGGGCCTCAACATTGCCGCCTCCGCTGCTGTGCAGGCTGCCACCAAGAGT
CAGGGGGCGCTGGCCGGCAGGCTGCGGAGCTTCTCCATGCAGGACCTGCGCTCCATCTCT
GACGCACCTGCCCTGCCTACCATGACCCCTCTACCTGGAGGACCAGGTGTCCCACCGG
AGGCCACCCATTGGGTACCGGGCCGGGGCCTGCAGGACAGCGACACCGAGGATGAGTGT
TGGTCAGATACTGAGGCAGTCCCCGGGGCGCCAGCCCGGCCCGAGAGAAGCCCCAATC
CGCAGCCAGAGCCTGCGTGTGGTCAAGAGGAAGCCACCGGTGCGGGAGGGCACCTCGCGC
TCCCTGAAGGTTCCGACGAGGAAAAAGACTGTGCCCTCAGACGTGGACAGCTAG
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Clone variation with respect to NM\_025232.2



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_025232 unedited CAGATTTTGTAAACACGACTTCACTATAGGGCGGCCGCGATTTCGGCACCAGGCCCGGCGCG CTGGAACCGCGCGGACCCGCTCCAGCGCGGGACCAGCAGCAAGGGCCGAGCGCCAGGTTTC TCCGCGGCAGAAAGGGCGGGTGGGAGCTGTAAGTCCCGCGCCGCGGGGCGCGCCCGCTC CCAAGTCGGCTTCTCCCGCGGGGCGCTTTGCCTCGGGTCTCCCATCTCCAGGTC CCCTGAACTGCACAGTCGGAGGCCGTGGCGGGCGGGCTCTGCCTCCGCCGAGGGACAGCC GGATCGCCCTCTGCTTCCCGCAACTGCCCTGATCACCCCGTCCAGCCCTTGAGTGA AGTCCTTCTGAGCGGCTTCTGGGGTCTCCACGTCCTCCAAAGCGCGCAAGATGGTG TCTGGATGATCTGTCGCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT TCTATAAGGCTGTGAAGACCAAGAACATTCGTGAATATGTGCGGTGGATGATGACTGG ATTGTTTTTGCACCTTTCATGGCAGCAGAGATCGTTACAGACATTTTTATCTCTGGTTC CCTTTCTACTATGAGATCAAGATGGCCTTCGTGCTGTGGCTGCTCTCACCTACACCAAG GGCGCCAGCTGCTTTACCGCAAGTTTGTCCACCGTCCCTGTCCGCCATGAGAAGGAG ATCGACCGGTACATCGTGCAGGCCAAGGAGCGCAGCTACGAGACCGTGTCTCAGCTTCGGG AAAGCGGGCCTCAACATTGCCGCTCCGCTGCTGTGCAGGCTGCCACCAAGATCAGGNG GGCTGGCNCAGCTGCGGAGCTTCTCATGCANGACCTGCGTCCATCTCTGACGCA CCTGGCCCTGGCTACATGACCCCTCTACCTGGAGGACCANNGTGTCCACCGNNAGCCAC CATTGGGTACCGNCCNNGGCCCTGCAGACA
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_025232
<b>Insert Size:</b>	1750 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>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_025232.2</a></u> , <u><a href="#">NP_079508.2</a></u>
<b>RefSeq Size:</b>	1731 bp
<b>RefSeq ORF:</b>	774 bp
<b>Locus ID:</b>	80346
<b>UniProt ID:</b>	<u><a href="#">Q9H6H4</a></u>
<b>Cytogenetics:</b>	8p21.3
<b>Domains:</b>	TB2_DP1_HVA22

**Protein Families:** Druggable Genome, Transmembrane

**Gene Summary:** Microtubule-binding protein required to ensure proper cell division and nuclear envelope reassembly by sequestering the endoplasmic reticulum away from chromosomes during mitosis. Probably acts by clearing the endoplasmic reticulum membrane from metaphase chromosomes.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).