

## Product datasheet for **SC117179**

### REPS2 (NM\_004726) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	REPS2 (NM_004726) Human Untagged Clone
Tag:	Tag Free
Symbol:	REPS2
Synonyms:	POB1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_004726 unedited GCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTAATGCTCTAAGTTATTTTTATTT GCTAGAAGACTGATTTTTGGTAAGGAGCAGCATCTAATACCTTGCAAGAAGTACTTAAGAA TAGGAGACAAATCCACTGATAATTAGCATTTCAAGTGTGATAATCAGTTGAAGTATTTT TTCCACCACAGTAAAACATACAAGTGAAGTGAAGAGAAAAGGTCATATGGATTATTTT TGCTGCTCACAGCTTTTGACACAGTCAAACATCTATGACAAGTAGTTGGGTTCAAACAT TCAAAAGAAAGATCTTGGCAGACAAGGTCACCCACTGTCACTTGAACCATGGGGGGTCA CAACACAGTGACCGGACGAAGTTGTTCCAATTGGTTTTCCAATGCAATTGTTCTTGATG AACCTCCTTGAGCTGCTGCTGGAGCTCACTGTTTCCAGCCGAGCCAGCACTGCGTTTGCCTC TTTATTTTTGCGGATACCAGTTTGAATGGCCTTCTTCTGTTTGAAGACTGCTTTTGGAC TGTTGGATGCGGTTTCATGGTTGCCGATAAGCTGGCCCACTTGACAGCAGTGAACGCTC TTGGGTTTCTGTACCTTGGTTTCTGGTCTGAATTCCTACCAATGGGCCTTGATGGCGG CTGAGAATCAGCACATCCTTCTTGTGGACACCTTCTGCAGCCTGGGATGGTGTCTTG CTCACCTGTGGGAGTCACCGGTTTCCGTACTTTTTTCAACTGTGATGGCCAGGTCTGGC AGGAAGTCAGGCGCGGGGTAACACCTCTGACTGGTACTCGGTCCCAACACTTTCTTT GGCAGTTTTTTGTAGCTCTTCCACCCTGTTGCTTTACTTTTACCCTTGCCCGCGCA GAACGCCTTTTCGCTCCCCGATTCCCTTTCTTTTACACCCGCTCTTCTTTTCCCC CCCC
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_004726
<b>Insert Size:</b>	2570 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_004726.1</a></u> , <u><a href="#">NP_004717.1</a></u>
<b>RefSeq Size:</b>	7964 bp
<b>RefSeq ORF:</b>	1566 bp
<b>Locus ID:</b>	9185
<b>UniProt ID:</b>	<u><a href="#">Q8NFH8</a></u>
<b>Cytogenetics:</b>	Xp22.2
<b>Domains:</b>	EH, EFh

**Gene Summary:**

The product of this gene is part of a protein complex that regulates the endocytosis of growth factor receptors. The encoded protein directly interacts with a GTPase activating protein that functions downstream of the small G protein Ral. Its expression can negatively affect receptor internalization and inhibit growth factor signaling. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).