

## Product datasheet for **SC318120**

### 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
Vector:	<u>pCMV6 series</u>



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<b>Fully Sequenced ORF:</b>	<p>&gt;NCBI ORF sequence for NM_004726, the custom clone sequence may differ by one or more nucleotides</p> <pre> ATGGAGGCGGCAGCGGGCGGGCGGGCGGCAGCGGCAGCGGCAGCGGGCGGGCGGGGGC TGTGGCTCCGGGCGCCGCCGCTGCTGCTGAGCGAGGGCGAGCAGCAGTGTCTACTCCGAG CTCTTCGCGCGCTGTGCCGGCGCCGCGGGCGGGGGCCCCGGGTCTGGCCCCCGAGGCC GCCAGAGTCGCCCCCGGCACGGCCACTGCGGCCCGCCGGCCCCGTGGCTGACCTGTTTCGG GCATCGCAGCTGCCCGGAGACGCTGCACCAGATCACAGAAGTGTGTGGTGCAAAGCGG GTTGGTTATTTTGGTCCAACACAGTTTTACATTGCCCTGAAATTAATTGCTGCAGCACAA TCTGGCCTCCCGGTACGGATAGAGAGTATTAATGTGAATTGCCTCTGCCTCGCTTTATG ATGTCAAAGAATGATGGTGAGATACGATTTGGAAACCCAGCTGAGCTGCATGGAATAAG GTTCCAGATTCCATATTTAACTACAGAAAAAATTCCTTCAAAGAATGGACGATGAGGAT AAACAGCAGGAAACACAGTCTCCACGATGTCACCCCTCGCTCCCTCCTTCTCCCGG CCTCATTACCAGAGGGTGCCTTGAGCCATGGCTACAGCAAAGTGCAGGAGCAGCGCAGAA CAGATGCATCCAGCACCTTATGAAGCTAGGCAGCCCTTGTCCAGCCGAGGGATCCTCA TCAGGGGGCCAGGAACCAAGCCCTTCGGCATCAGGCTTCCCTTATCCGGTCTTTTTCA GTGGAGAGGGAACACAGGATAACAGCAGTTACCCCGACGAACCTGGAGATAACAGAA GAACAGCGCGAGTACTATGTCAATCAGTCCGATCCCTTCAGCCAGACCAAGCTTTTTT ATTTCCAGTTCTGTGGCCAAGAATTTCTCACCAAATCAAAGCTTTCCATTCCAGAACTC TCCTATATATGGGAGCTTAGTGATGCTGACTGTGATGGAGCCCTGACCCTGCCTGAGTTC TGTGCTGCGTTTCATCTCATTGTGGCTCGGAAGAACGGCTACCCATTGCCTGAGGGCCTC CCTCCAACCTCTGCAGCCAGAATACCTGCAGGCAGCTTTTCTAAGCCCAAATGGGACTGT CAATTTTGTATTCTTATTCTGAGTCACTGCCGCAAAATCAACAACCTCGTGACTTGAAT CGGATGGAGAAGACATCTGTTAAAGACATGGCTGACCTTCTGTCCCTAACCCAGGATGTA ACTAGTGATGACAAACAAGCTTTGAAAAGTACTATCAATGAAGCCTTACCAAAGGACGTG TCTGAGGATCCAGCAACTCCCAAGGATTCCAACAGTCTCAAAGCAAGACCAAGATCCAGA TCTTACTCTAGCACCTCCATAGAAAGAGGCCATGAAAAGGGGCGAGGACCCTCCACCCCG CCACCTCGGCCACAGAAAACCCATTCCAGAGCCTCCTCCTGGATCTGAATAAAGTCTTC CAGCCCAGTGTGCCAGCTACCAAGTCAGGATTGTTACCCCAACCACTGCGCTCCCTCCA AGACCTTGTCCATCACAGTCTGAACAAGTGTGGAGGCCGAGTACTCCACAGCTGAGC AGAGCCCCATCCCAGGCTGCAGAAAGTAGTCCAGCAAAGAAGGATGACTGTATTCTCAG CCACCATCAAAGCCATTTCGTAGGAAATTCAGACCAGAAAACCAAGCTACAGAAAACCA GAGCCTTCCACTGCTGCAAGTGGCCAGCTTCTGCGGAACCATGAAACCGCATCCAACA GTCCAAAAGCAGTCTTCCAAACAGAAAGGCCATTCAAAGTGTATCCGCAAAAATAAA GAGGCAAACGCAGTGTGGCTCGGCTGAACAGTGAAGTCCAGCAGCAGCTCAAGGAGGTT CATCAAGAACGAATTGCATTGGAAAACCAATTGGAACAATTCGTCCGGTCACTGTGTTG </pre>
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_004726
<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>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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).

**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:** [NM\\_004726.2](#), [NP\\_004717.2](#)

**RefSeq Size:** 7964 bp

**RefSeq ORF:** 1983 bp

**Locus ID:** 9185

**UniProt ID:** [Q8NFH8](#)

**Cytogenetics:** Xp22.2

**Domains:** 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).