

Product datasheet for **SC315967**

REPS2 (NM_001080975) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	REPS2 (NM_001080975) Human Untagged Clone
Tag:	Tag Free
Symbol:	REPS2
Synonyms:	POB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC15967 representing NM_001080975.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGAGCGCGCAGCGCGCGCGCGCGCGCGCAGCGCAGCGCAGCGCGCGCGCGGGGCTGTGGCTCC
GGGCGCGCGCGCTGCTGCTGAGCGAGGGCGAGCAGCAGTGTCTACTCCGAGCTCTTCGCGCGCTGTGCC
GGCGCGCGGGCGGGGCCCCGGGTCTGGGCCCCCAGGCGCCAGAGTCGCCCCCGCACGGCCACT
GCGGCCCGCGGGCCCCGTGGCTGACCTGTTTCGGGCATCGCAGCTGCCCGCGAGACGCTGCACCAGATC
ACAGAACTGTGTGGTCAAAGCGGGTTGGTTATTTGGTCCAACACAGTTTACATTGCCCTGAAATTA
ATTGCTCGAGCAAACTGGCCTCCCGTACGGATAGAGATATTAATGTGAATTGCCTCTGCCTCGC
TTTATGATGTCAAAGAATGATGGTGAGATACGATTTGGGAACCCAGCTGAGCTGCATGGAACATAAGTT
CAGATTCCATATTTAACTACAGAAAAAAATTCCTTCAAAGAATGGACGATGAGGATAAACAGGAAAA
CAGTCTCCACGATGTACCCCTCGCTCCCTCCTTCTCCCGCCTCATTACCAGAGGGTGCCCTTG
AGCCATGGCTACAGCAAAGTGGGAGCAGCGCAGAACAGATGCATCCAGCACCTTATGAAGCTAGGCAG
CCCCTTGTCCAGCCGAGGGATCCTCATCAGGGGGCCAGGAACCAAGCCCCCTTCGGCATCAGGCTTCC
CTTATCCGGTCTTTTCACTGAGAGGGAACACAGGATAACAGCAGTTACCCCGACGAACCTTGAGG
ATAACAGAAGAACAGCGCGAGTACTATGTCAATCAGTTCGGATCCCTTCAGCCAGACCCAAGCTCTTTC
ATTTAGGTTCTGTGGCAAGAAGTCTTACCAAATCAAAGCTTTCATTCCAGAACTCTCCTATATA
TGGGAGCTTAGTGATGCTGACTGTGATGGAGCCCTGACCCTGCCTGAGTTCTGTGCTGCGTTTCACTC
ATTGTGGCTCGGAAGACGGCTACCCATTGCCTGAGGGCCTCCCTCCAACCTTCGAGCCAGAATACCTG
CAGGCAGCTTTTCTAAGCCAAATGGGACTGTCAATTATTTGATTCTTATCTGAGTCACTGCCGGCA
AATCAACAACTCTGTAAGTGAATCGGATGGAGAAGACATCTGTTAAAGACATGGCTGACCTTCCTGTC
CCTAACCAAGGATGTAAGTGTGATGACAAACAAGCTTTGAAAAGTACTATCAATGAAGCCTTACCAAG
GACGTGTCTGAGGATCCAGCAACTCCCAAGGATTCACACAGTCTCAAAGCAAGACCAAGATCCAGATCT
TACTCTAGCACCTCCATAGAAGAGGCCATGAAAAGGGGCGAGGACCCTCCACCCCGCCACCTCGGCCA
CAGAAAACCCATTCCAGAGCCTCCTCCTTGGATCTGAATAAAGTCTTCAGCCAGTGCCAGCTACC
AAGTCAGGATTGTTACCCCAACCACTGCGCTCCCTCCAAGACCTTGTCCATCACAGTCTGAACAAGTG
TCGGAGGCCGAGTTACTCCACAGCTGAGCAGAGCCCATCCAGGCTGCAGAAAGTAGTCCAGCAAG
AAGGATGTACTGTATTCTCAGCCACCATCAAAGCCATTCTGAGGAAATTCAGACCAGAAAAACCAAGCT
ACAGAAAACCAAGAGCCTTCCACTGCTGCAAGTGGCCAGCTTCTGCGGCAACCATGAAACCGCATCCA
ACAGTCCAAAAGCAGTCTTCCAAACAGAAGAAGGCCATTCAAAGTCTATCCGCAAAAAATAAGAGGCA
AACGCAGTGCTGGCTCGGCTGAACAGTGAGCTCCAGCAGAGCTCAAGGAGGTTTCATCAAGAACAAT
GCATTGGAAAACCAATTGGAACAATTCGTCGGTCACTGTGTTGTGA
ACGGTACGGCTCGAGCAGAACTCATCTCAGAAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: Sgfl-MluI

ACCN: NM 001080975

Insert Size: 1980 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: 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.

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_001080975.1</u>
RefSeq Size:	7961 bp
RefSeq ORF:	1980 bp
Locus ID:	9185
UniProt ID:	<u>Q8NFH8</u>
Cytogenetics:	Xp22.2
MW:	71.4 kDa
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 (2) uses an alternate in-frame splice site in the coding region, compared to variant 1, resulting in a protein (isoform 2) that is one aa shorter than isoform 1.