

Product datasheet for **SC328011**

REPS1 (NM_031922) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	REPS1 (NM_031922) Human Untagged Clone
Tag:	Tag Free
Symbol:	REPS1
Synonyms:	NBIA7; RALBP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC328011 representing NM_031922.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAAGGCTTAACGCTGAGCGATGCGGAGCAGAAATACTATTAGATCTCTTCTCTACTGCGACATT
GAGAGCACCAAGAAGGTGGTGGTCAACGGGCGGGTGTGGAGCTGTTCCGGGCGCGCAGCTGCCGAAC
GACGTGGTCTTACAGATCATGGAGCTTTGTGGTGAACAAGACTTGGTTATTTTGAAGAAGTCAGTTC
TACATTGCTTTGAACTTGTAGCTGTTGCCAGTCTGGTTTCCCTTTAAGAGTGGAAGTATAAATACA
GTAAAGGACCTTCTCTGCCAAGATTTGTTGCTTCAAAGAATGAACAGGAATCTCGCCATGCAGCCTCA
TATTCTTCAGATTCTGAAATCAAGGTCGTATTCTGGTGAATCCCCCACCACCTGGCAGGGGGCAA
GTGAAAAAGGGATCCGTAAGCCATGATACGTTTCAAGCTCGTACATCTGCAGATGCACAGGAACCTGCA
TCCCCAGTAGTTTACCACAGCAATCCCACCAACTTCTCCACACACATGGAGGAAGCACAGCCGTCAT
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CAATCAGGTTCTTCTGCTGGTGTGAGTGTGGTCAAGGCTTCCCCACCTCCACCTCAAGAAAAGTGG
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ACAACAGTACGAAGTGTAGCATCAGCTACAACGCTGCAATGAAATTCGTAGGCAATCCAGTAGTTATGAT
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TCTCTGCTGAAGCTCCTCCAAGCAAGTCACCATCGATGCCATCACTAAACAGACATGGCCTGAGCTG
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AGCAAAATCCACATGCAGGAATGGAACCTAAAGAACTGGCAGCGATCATAAAATCCCACTAGCCCA
TTACTTGTGAAACCATCTGACCTTTTGAAGAAAATAAGATAAATTCATCGGTGAAATTCGCTTCTGGT
AATACTGTAGATGGTTACAGTAGTTTCAAGCTCTTTTACTTCTGACCCAGAACAGATCGGGAGCAATGTA
ACTCGTCAAAGGTCTCATTGAGGAACGTCGCTGATAAAGTGCACCAACCTCCCCCTCCAAGGCCA
CAGCCCTCTCATTCTAGATCATCATCTTTAGATATGAATCGGACCTTTACAGTCACCAAGGACAACAA
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GCTGTGCATCGCCAGTGGATGCCGATGGCCTCATAACTCACACTAGTACCTCACCTCAGCAGATACCA
GAGCAACCAAAATTTGCAGATTTTCAAGTATTTGCTGCATCAAAATGTAAACGACGAACAA
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CGAGTTGCCAAAACAGATAGTAAACTGAAGAAAAGACAGCTGCTAGTGTCTGCAATGTGAGCAAA
GGCACAACACCACTTGTCCACCACCTAAACCTGTTTGAAGAAGATTAAATCAGAAGATGAATTAAGG
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GTTTTGGCCAGATTGAATAGCGAATTGCAGCAACAATTAAGGATGTTCTTGAGGAGAGAATTTCCCTG
GAAGTTCAACTGGAACAACCTTCGACCATCTCTCACCTATAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI
ACCN: NM_031922
Insert Size: 2388 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_031922.4</u>
RefSeq Size:	4033 bp
RefSeq ORF:	2388 bp
Locus ID:	85021
UniProt ID:	<u>Q96D71</u>
Cytogenetics:	6q24.1
Domains:	EH, EFh
MW:	86.6 kDa
Gene Summary:	This gene encodes a signaling adaptor protein with two EH domains that interacts with proteins that participate in signaling, endocytosis and cytoskeletal changes. The encoded protein has been found in association with intersectin 1 and Src homology 3-domain growth factor receptor-bound 2-like (endophilin) interacting protein 1 when intersectin 1 was isolated from clathrin-coated pits. The encoded protein has also been shown to interact with amphiphysin, a cytoplasmic protein at the surface of synaptic vesicles. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Mar 2014] Transcript Variant: This variant (1) uses an alternate in-frame splice site in the central coding region, compared to variant 3, resulting in an isoform (a) that is shorter than isoform c.