

Product datasheet for **SC332871**

REA (PHB2) (NM_001267700) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: REA (PHB2) (NM_001267700) Human Untagged Clone
Tag: Tag Free
Symbol: REA
Synonyms: BAP; Bap37; BCAP37; hBAP; p22; PNAS-141; REA
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332871 representing NM_001267700.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCCAGAACTGAAGGACTTGGCGGGACGGCTGCCCGCCGGGCCCGGGGCATGGGCACGGCCCTG
AAGCTGTTGCTGGGGCCGGCGCCGTGGCTACGGTGTGCGCAATCTGTGTTACCGTGAAGCGGG
CACAGAGCCATCTTCTCAATCGGATCGGTGGAGTGCAGCAGGACACTATCCTGGCCGAGGGCCTTAC
TTCAGGATCCCTTGGTTCAGTACCCATTATCTATGACATTCGGGCCAGACCTCGAAAAATCTCCTCC
CCTACAGGCTCCAAAGACCTACAGATGGTGAATATCTCCCTGCGAGTGTGTCTCGACCAATGCTCAG
GAGCTTCTAGCATGTACCAGCGCTAGGGCTGGACTACGAGGAACGAGTGTTCGGTCCATTGTCAAC
GAGGTGCTCAAGAGTGTGGTGGCCAAGTTCAATGCCTCACAGCTGATCACCCAGCGGGCCAGGTATCC
CTGTTGATCCGCGGGAGCTGACAGAGAGGGCCAAGGACTTCAGCCTCATCCTGGATGATGTGGCCATC
ACAGAGCTGAGCTTTAGCCGAGAGTACACAGCTGCTGTAGAAGCCAAACAAGTGGCACTGAGCAAGAAC
CCTGGCTACATCAAACCTCGCAAGATTCGAGCAGCCAGAATATCTCAAAGCAGTACGCCACATCACAG
AATCGTATCTATCTCACAGCTGACAACCTTGTGCTGAACCTACAGGATGAAAGTTTACCAGGGGAAT
GACAGCCTCATCAAGGTAAGAAATGA
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Restriction Sites: Sgfl-Mlul
ACCN: NM_001267700
Insert Size: 786 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).
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).



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Reconstitution Method:	<ol style="list-style-type: none">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_001267700.1
RefSeq Size:	1343 bp
RefSeq ORF:	786 bp
Locus ID:	11331
UniProt ID:	Q99623
Cytogenetics:	12p13.31
Protein Families:	Druggable Genome, Transcription Factors
MW:	29 kDa
Gene Summary:	<p>Acts as a mediator of transcriptional repression by nuclear hormone receptors via recruitment of histone deacetylases (By similarity). Functions as an estrogen receptor (ER)-selective coregulator that potentiates the inhibitory activities of antiestrogens and represses the activity of estrogens. Competes with NCOA1 for modulation of ER transcriptional activity. In mitochondria, regulates cytochrome-c oxidase assembly (COX) and mitochondrial respiration. Binding to sphingoid 1-phosphate (SPP) modulates its regulator activity (PubMed:20959514).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) lacks an in-frame exon in the central coding region, compared to variant 1. The encoded isoform (3) is shorter than isoform 1.</p>