

Product datasheet for **RC210710**

REA (PHB2) (NM_007273) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	REA (PHB2) (NM_007273) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	REA
Synonyms:	BAP; Bap37; BCAP37; p22; PNAS-141; REA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC210710 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAGAACTGAAGGACTTGGCGGGACGGCTGCCCGCCGGGCCCGGGGCATGGGCACGGCCCTGA
AGCTGTTGCTGGGGGCCGGCGCCGTGGCTACGGTGTGCGCGAATCTGTGTTACACGTGGAAGCGGGCA
CAGAGCCATCTTCTTCAATCGGATCGGTGGAGTGCAGCAGGACTATCCTGGCCGAGGGCCTTCACTTC
AGGATCCCTTGGTCCAGTACCCATTATCTATGACATTCGGGCCAGACCTCGAAAAATCTCTCCCTCA
CAGGCTCCAAAGACCTACAGATGGTGAATATCTCCCTGCGAGTGTGTCTCGACCAATGCTCAGGAGCT
TCCTAGCATGTACCAGCGCTAGGGCTGGACTACGAGGAACGAGTGTGCGCTCCATTGTCAACGAGGTG
CTCAAGAGTGTGGTGGCCAAGTTCAATGCCTCACAGCTGATCACCCAGCGGGCCAGGTATCCCTGTTGA
TCCGCCGGGAGCTGACAGAGAGGGCCAAGGACTTCAGCCTCATCCTGGATGATGTGGCCATCACAGAGCT
GAGCTTTAGCCGAGAGTACACAGCTGCTGTAGAAGCCAAACAAGTGGCCAGCAGGAGGCCAGCGGGCC
CAATTCTTGGTAGAAAAAGCAAAGCAGGAACAGCGGCAGAAAAATTGTGCAGGCCGAGGGTGAAGCCGAGG
CTGCCAAGATGCTTGGAGAAGCACTGAGCAAGAACCCTGGCTACATCAAATTCGCAAGATTGAGCAGC
CCAGAATATCTCCAAGACGATCGCCACATCACAGAATCGTATCTATCTCACAGCTGACAACCTTGTGCTG
AACCTACAGGATGAAAGTTTACCAGGGGAAGTACAGCCTCATCAAGGGTAAGAAA

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_007273.3](#), [NP_009204.1](#)

RefSeq Size: 1457 bp

RefSeq ORF: 899 bp

Locus ID: 11331

Cytogenetics: 12p13.31

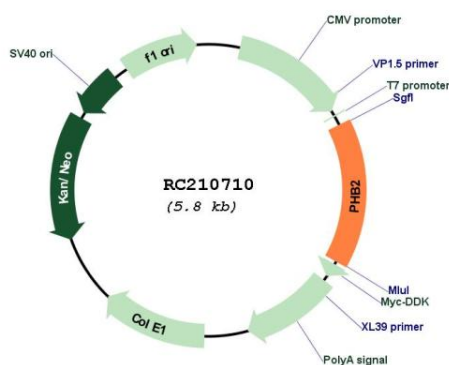
Domains: Band_7

Protein Families: Druggable Genome, Transcription Factors

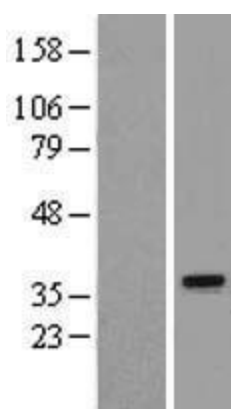
MW: 33.3 kDa

Gene Summary: 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]

Product images:



Circular map for RC210710



Western blot validation of overexpression lysate (Cat# [LY428526]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC226982] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).