

Product datasheet for **RC221848**

CNBD1 (NM_173538) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CNBD1 (NM_173538) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CNBD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC221848 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGATGTCTTCTCTCCAGCAGCTATTTGTCTCACATGACAGCTATTAACAATGTGCCTCCTCCTC
CACTTCACAGTATACAAACTTGAAAAAGTCTAAGCACATTAATTATGGCCAGTTGAATGCATTATGCCA
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CCTAAAGTATTCCTGCACCAAAAACCCAGACTTCCTAACTTTTCAAACAGGAGGAACAAAGGGAATCA
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AGCACATGGTGGCCATATTTTATATAGACCAAAAAGAGCCACAGAGAAATTTGAAGAATTCCTAGCTATC
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CAGATTTAACCTTTCAGCTAAATGATAAGCATCTGAAAACACTTAGTAAGACTGTCTTTCCGAAACCTG
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GCTTAGCAAAATGGAGTACCTTTGGGACTCTGGAAGTTATGCCTCAGAATGAATCGGAAACACAGATGTT
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TACTTTATCCATATATGAGCTAATTGCACTCCTTAAATGGAAAAATTTCTCCAGGTATGTGATAGTG
GAAAGTGGAAATATAATTTCTTTGTGGTTATATTAACCTCTGGATGCTGTAACATTTATAGAAGTATTA
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AAGAAGTTGAGATGGCAATCATTGAAGATAAGGACCTATTTGTGGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RC221848 protein sequence
Red=Cloning site Green=Tags(s)

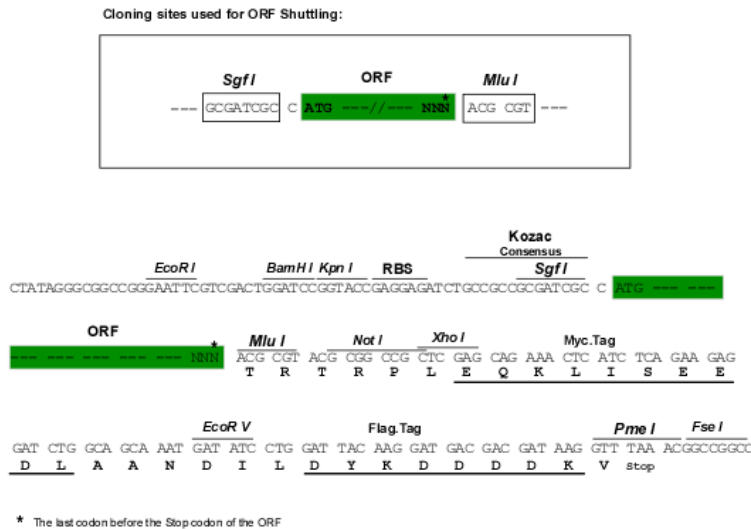
MPMSSLPAAILSHMTAINNVPPPLHSIPNLKSKHINYQLNALCHIRGQHSRSMNILSAHDTFMKQY
 PKVFLHQKPRLPKLFKQEEQRELNEGKEESQHQPDDSNNAVHVQRAHGGHILYRPKRATEKFEEFLAI
 LKKLPIHRTPYEHKTVWKFLKTIPDLTFQLNDKHLKTLKTVFSETWLGSTVVANDGFYVILKGLARPQ
 TNVYKNLIEGSDSPDSFISQSFHSFIWSEEFKNSTLAEMYLPYSYDMSLSKWSTFGTLEVMQPNESETQMF
 SVVTEDDCEILKIPAKGYAKIKEEKIKLENMQKLLIRMCPYYEEWPTLSIYELIALLKWKFPFGHVIV
 ESGNIISFVGYNSGCCNIYRSIIGFVKLRSNKVKRSQKLVYMGKLEKESFGEISVLLQVPFTCTIITK
 KEVEMAIIEDKDLFVA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6464_f05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_173538

ORF Size: 1308 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [NM_173538.3](#)

RefSeq Size: 1459 bp

RefSeq ORF: 1311 bp

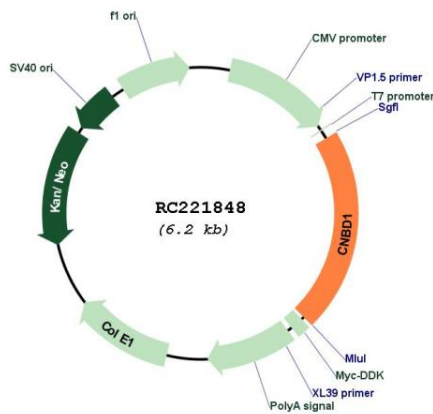
Locus ID: 168975

UniProt ID: [Q8NA66](#)

Cytogenetics: 8q21.3

MW: 50.2 kDa

Product images:



Circular map for RC221848