

Product datasheet for **RC212072**

BEND4 (NM_207406) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BEND4 (NM_207406) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BEND4
Synonyms:	CCDC4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC212072 representing NM_207406
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGGAGGAAGAGATGCAGCCGGCAGAGGAGGGGCCAGCGTCCCCAAATCTACAAGCAGCGCAGCCCT
 ACAGCGTCTCAAGACGTTCCCCAGCAAGAGACCGGCGCTGGCCAAGCGTACGAGCGACCCACCTGGT
 GGAGCTGCCGCAGTGCAGGCGCCCCCGCCGCCCGCCCTTCGCGCGCACGCCGCGCTCTCCATC
 AGCAGCAGCGAGCCGCCGCCGAGCAGTTCAGGCGCAGAGCTCTACCCCCCGGGCCCGGGCGGCG
 CCGCGCGCTTCGTCGTCGTCGCGCTCTGCAGCGCCGCACATCCAGGGCCACTTGAGGACTCCGGC
 GCAGCCGCCGCCGCGTCCCCGCGCTCTCGTCGTTCTGTCGCGCTGTCGTGAGTATGGCCCA
 GGCGCGGCGCGGCCGCCGCGCACCGGCGGACGGGTAGCGACAGCGCCAGCCTGGAGCTCAGCGCAGAGA
 GTCGAATGATCTTGATGCTTTGCCAGCAGTGCAGTCGAGTCTTAGCCTCTAAATTGTGGAGGAAA
 ACTCCTGGACTCCAACATTCTCAGTCCATGATTTCTGCGTAAAGCAGGAAGGCTCAAGTTACAACGAA
 AGACAGGAGCACTGTACATTGGGAAAGGGTCCACAGTCAGACCTCAGACAATGTAGACATAGAGATGC
 AGTATATGCAAAGGAAACAACAACTTCTGCCTTTTGAGGGTTTTCACTGACTCTACAAAATTACCT
 GCTCTCGGGAAGCTTTCCAACCTCAAAACCCCTCGTCAGCCAGTGAATATGGCCATCTGGCCGACGTGGAT
 CCTCTGTCAACCTCTCTGTGCATACATTAGGTGGCTGGACTTCCCCAGCAACGTCCGAATCCCATTGGCC
 ACCCATCTTACCTACACTGCCAGAAGAGGAGGAGGAGGAGGACGAGGAAGGCTATTGTCTCGATGCCA
 AGAGCTGGAGCAGGAGGTTATTTCACTGCAACAAGAAAATGAAGAGCTCAGAAGGAAATTAGAGAGCATC
 CCAGTGCCTGCCAGACCGTTTTAGATTACTTGAAGATGGTCTCAGCACCACAACCACTCCTGATAC
 CACAGCCAGCTGACCAGCCGACAGAGGGAAGCAAGCAGTGTGAACAACTATCCTGTCTACATAACGAG
 CAAACAGTGGGATGAGGCTGTAAATCTTCAAAGAAAGATGGGAGACGGCTCCTTCGATACCTCATCAGA
 TTTGTTTTCAACCGATGAGCTTAAGTACTCATGCGGCTTGGGAAAAGGAAAGGTGAGTGCAGTCAG
 GAGAGACAGGTCCCGAAAGACGCCCTCTGGATCCAGTTAAAGTAACATGCCTCCGAGAATTCATTAGGAT
 GCATTGTACCTCAACCCGATTGGTGGATGCCCTCGAAGAGCAGATAAACAAGTGTTCAGCGACGCT
 GTCGGTACGCCCCGACAGGGGCGGGCGGTGGGACTTTCTGCACAACGGTGGCTCATTTTATGAAGGGA
 TCGATCACCAGGCTTCTCAGGATGAAGTCTTCAATAAAAGTTCACAGGATGGATCTGGGGAT

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC212072 representing NM_207406
 Red=Cloning site Green=Tags(s)

MEEEMQPAEEGPSVPKIYKQSPYSVLKTFPSKRPALAKRYERPTLVLPVHRAPPPPPPPFAPHAAVSI
 SSSEPPPPQFQAQSSYPGPGRAAAAASSSSPCTPATSQGHLRTPAQPPASPAASSSSFAAVVRYGP
 GAAAAAGTGGTGSDSASLELSAESRMILDFAQQCSRVL SLLNCGKLLDSNHSQSMISCVKQEGSSYNE
 RQEHCHIGKGVHSQTSNDVIEQMQRKQTS AFLRVFTDSLQNYLLSGSFPTPNPSSASEYGH LADVD
 PLSTSPVHTLGGWTSPATSESHGHPSSSTLPEEEEEDEEGYCPRCQEQEVEISLQQENEELRRKLESI
 PVPCQTVLDYLMVLQHNLQLLIPQADQPTGSKQLLNYPVYITSKQWDEAVNSSKKDGRLLRYLIR
 FVFTTDELKYSGLGKRKRSVQSGETGPERRPLDPVKVTC LREFIRMHCTSNPDWWMPSEEQINKVFSDA
 VGHARQGRAVGTF LHNNGSFYEGIDHQASQDEVFNKSSQDGS GD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8026_h01.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM 207406

ORF Size: 1602 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_207406.4

RefSeq Size: 8763 bp

RefSeq ORF: 1605 bp

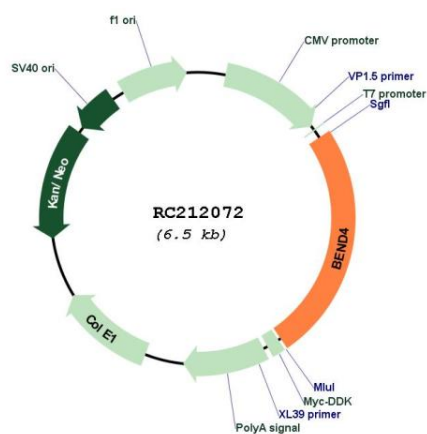
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UniProt ID: Q6ZU67

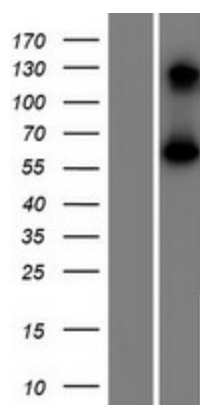
Cytogenetics: 4p13

MW: 58.2 kDa

Product images:



Circular map for RC212072



Western blot validation of overexpression lysate (Cat# [LY404012]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC212072 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).