

Product datasheet for **RC202210**

N4BP2L2 (NM_014887) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	N4BP2L2 (NM_014887) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	N4BP2L2
Synonyms:	92M18.3; CG005; CG016; PFAAP5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RC202210 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTTTATGGTGAATGAAGTAAATCTTGGGACCTAGAGAAGAAGTAACGAGTGAGCCACGCTGTA
 AAAAATTGAAGTCAACCACAGAGTCGTATGTTTTTACAAATCATAGTAATGCTGATTTTACAGAATCCA
 AGAGAAAAGTGGAAATGATTGGGTCCCTGTGACCATCATTGATGTCAGAGGACATAGTTATTTGCAGGAG
 AACAAAATCAAACTACAGATTTGCATAGACCTTTGCATGATGAGATGCCTGGTAATAGACCAGATGTTA
 TTGAATCCATTGATTCACAGGTTTTACAGGAAGCACGTCCTCCATTAGTATCCGCAGACGATGAGATATA
 TAGCACAAGTAAAGCATTATAGGACCCATTTACAAACCCCTGAGAAAAAGAAACGTAATGAAGGGAGG
 AATGAGGCACATGTTCTAAATGGTATAAATGACAGAGGAGGACAAAAAGAGAAACAGAAATTTAACTCTG
 AAAATCAGAGATTGACAATGAATTATCCAGTTTTACAAAGAAATTGAAGAGCTTGAAGGAAAAAGA
 TGGTTTTGAGAACAGTTGTAAGAATCTGAACCTTCTCAGGAACAATTTGTTCCATTTTATGAGGGTCAT
 AATAATGGTCTCTTAAACCTGATGAAGAAAAGAAAGATCTTAGTAATAAGCTATGCCATCACATTGTG
 ATTATCAGCAGAACTTGGGAATGAGCCAGACAAATATCCCTGTAATGGACAAGTAATACCTACATTTTG
 TGACACTTCATTTACTTCTTTCAGGCCTGAATGGCAGTCAGTATATCCTTTTATAGTGCCCTATGGTCCC
 CCTCTTCCAGTTTGAATATCATTAAACATTAGAGATTGAGTGGTCCACCAATCCACCATCAATA
 TTTTCCAAGCCCAAGATGACTCTCAGATACAAATGGATATTATGTAATAATTGTCATGTTAACTGGAA
 TTGCATGACTTTTATCAGAACAAATGAATATACTGACTGTAGTGAGAATAGGAGTAGTGTTCATCCCTCT
 GGAATGGCTGCAGTATGCAAGATCGATATGTGAGTAATGGTTTCTGTGAAGTCAGAGAAAGATGCTGGA
 AAGATCATTGTATGGACAAGCATAATGGAACAGACAGGTTTGTGAACAGCAGTTTCAAGAGGAAAAAGT
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 ATTCTGCTTGGTCAGAATCGTGATGGCATTGTGTTGAGCACTGATGACTATTTTACCATCAAGATGGGT
 ACAGGTATAATGTTAATCAACTTGGTGATGCCATGACTGGAACAGAACAGAGCAAAACAAGCTATCGA
 TCAGGGAAGATCTCCAGTTATAATAGATAACACTAATATAAAGCTTGGGAAATGAAGCCATATGTGGAA
 GTGGCCATAGGAAAAGGATACAGAGTAGAGTTTCAATGAACCTGAACTTGGTGGAAATTTGATCTGAAG
 AATTAGAAAAGAGGAATAAATCATGGTGTGTCTCGAAAGAAGATTGCTCAGATGTTGGATCGTTATGAATA
 TCAATGTCCATTTCTATTGTAATGAATTCAGTGAACCATCACACAAAAGCACAAAAGACCTCCTCCT
 CCACAGGGGAGACAGAGGTGGGAGGCTCTCTGGCTCACATAATCGTGTCTGTGTCAAAATAATCAT

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC202210 protein sequence
 Red=Cloning site Green=Tags(s)

MSYGEIEGKFLGPREEVTSEPRCKKLKSTTESYVFHNHNSNADFHRIQEKTGNDWVPVTIIDVRGHSYLQE
 NKIKTTDLHRPLHDEMPGNRPDVIESIDSQVLQEAPPLVSADDEIYSTSKAFIGPIYKPPEKKRNEGR
 NEAHVLNGINDRGGQKEKQKFNSEKSEIDNELFQFYKEIEELEKEKDGFESENKSEPSQEQFVPFYEGH
 NNGLLKPDEEKKDL SNKAMP SHCDYQQNLGNEPDKYPCNGQV IPTFC DTSFTSFRPEWQSVYPIVYGP
 PLPSLNYHLNIQRFSGPPNPPSNIFQAQDDSQIQNGYYVNNCHVNWNCMTFDQNNEYTDCSENSSVHPS
 GNGCSMQDRYVSNGFCEVRERCWKDHCMKHNKGTDRFVNQQFQEEKLNKLQKLLILLRGLPGSGKTTLSR
 ILLGQNRDGI VFSTDDYFHHQDGYRYNVNQLGDAHDWNQNRKQAIQGRSPV IIDNTNIQAWEMKPYVE
 VAIGKGYRVEFHEPETWWKFDP EELEKRNKHGVSRRKIAQMLDRYEYQMSISIVMNSVEPSHKSTQRPPP
 PQRQRWGGSLGSHNRVCVTNNH

TRTRPLE**QKLISEEDLAANDILDYKDDDDKV**

Chromatograms:

https://cdn.origene.com/chromatograms/mk6236_b07.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_014887

ORF Size: 1749 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_014887.3](#)

RefSeq Size: 2860 bp

RefSeq ORF: 1752 bp

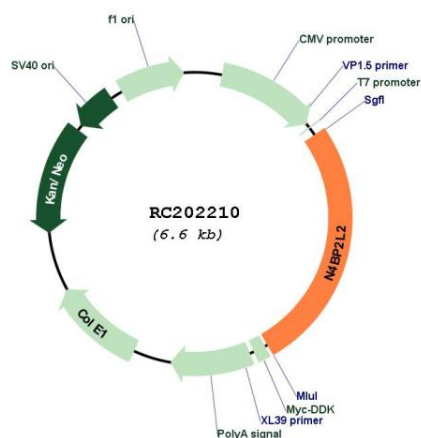
Locus ID: 10443

UniProt ID: Q92802

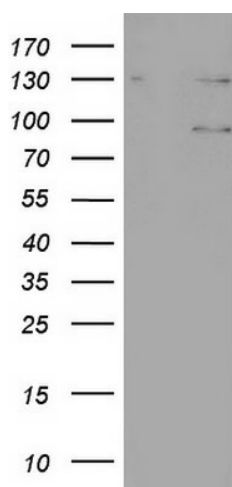
Cytogenetics: 13q13.1

MW: 67.5 kDa

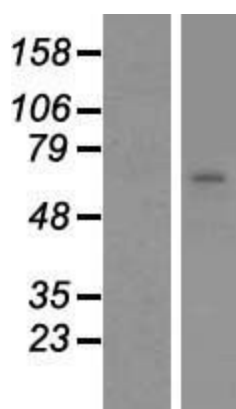
Product images:



Circular map for RC202210



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY N4BP2L2 (Cat# RC202210, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-N4BP2L2 (Cat# [TA804198]). Positive lysates [LY414958] (100ug) and [LC414958] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY414958]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202210 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).