

Product datasheet for **RG202210**

N4BP2L2 (NM_014887) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	N4BP2L2
Synonyms:	92M18.3; CG005; CG016; PFAAP5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG202210 representing NM_014887
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTCTTATGGTGAATGAAGGTAATTCCTGGGACCTAGAGAAGAAGTAACGAGTGAGCCACGCTGTA
 AAAAATTGAAGTCAACCACAGAGTCGTATGTTTTTCACAATCATAGTAATGCTGATTTTCACAGAATCCA
 AGAGAAAACCTGGAATGATTGGGTCCTGTGACCATCATTGATGTCAGAGGACATAGTTATTTGCAGGAG
 AACAAAATCAAACTACAGATTTGCATAGACCTTTGCATGATGAGATGCCTGGTAATAGACCAGATGTTA
 TTGAATCCATTGATTCACAGGTTTTACAGGAAGCACGTCCTCCATTAGTATCCGACAGCAGATGAGATATA
 TAGCACAAGTAAAGCATTATAGGACCCATTACAAACCCCTGAGAAAAAGAAACGTAATGAAGGGAGG
 AATGAGGCACATGTTCTAAATGGTATAAATGACAGAGGAGGACAAAAAGAGAAACAGAAATTTAACTCTG
 AAAAATCAGAGATTGACAATGAATTATCCAGTTTTACAAAGAAATTGAAGAGCTTGAAGGAAAAAGA
 TGGTTTTGAGAACAGTTGTAAGAATCTGAACCTTCTCAGGAACAATTTGTTCCATTTTATGAGGGTCAT
 AATAATGGTCTCTTAAACCTGATGAAGAAAAAGAAATCTTAGTAATAAAGCTATGCCATCACATTGTG
 ATTATCAGCAGAACTTGGGGAATGAGCCAGACAAATATCCCTGTAATGGACAAGTAATACCTACATTTTG
 TGACACTTCATTTACTTCTTTCAGGCTGAATGGCAGTCAGTATATCCTTTTATAGTGCCCTATGGTCCC
 CCTCTTCCAGTTTGAATATCATTTAAACATTCAGAGATTCAGTGGTCCACCAATCCACCATCAAATA
 TTTTCCAAGCCCAAGATGACTCTCAGATACAAAATGGATATTATGTAATAATTGTCATGTTAACTGGAA
 TTGCATGACTTTTATCAGAACAAATGAATATACTGACTGTAGTGAGAAATAGGAGTAGTGTTCATCCCTCT
 GGAAATGGCTGCAGTATGCAAGATCGATATGTGAGTAATGGTTTCTGTGAAGTCAGAGAAAGATGCTGGA
 AAGATCATTGTATGGACAAGCATAATGGAACAGACAGGTTTGTGAACCAGCAGTTTCAAGAGGAAAAGTT
 AAATAAATTGCAGAAGTACTTATTCTTTTAAGAGGTCTGCCTGGTTCTGGGAAAAACAACATTGTCTCGA
 ATTCTGCTTGGTCAGAATCGTGATGGCATTGTGTTTCTGCACTGATGACTATTTTACCATCAAGATGGGT
 ACAGGTATAATGTTAATCAACTTGGTGATGCCCATGACTGGAACGAGAACAGAGCAAAACAAGCTATCGA
 TCAGGGAAGATCTCCAGTTATAATAGATAACACTAATATAACAAGCTTGGGAAATGAAGCCATATGTGGAA
 GTGGCCATAGGAAAAGGATACAGAGTAGAGTTTTCATGAACCTGAAACTTGGTGGAAATTTGATCCTGAAG
 AATTAGAAAAGAGGAATAAACATGGTGTGTCTCGAAAGAAGATTGCTCAGATGTTGGATCGTTATGAATA
 TCAATGTCCATTTCTATTGTAATGAATTCAGTGAACCATCACACAAAAGCACACAAAGACCTCCTCCT
 CCACAGGGGAGACAGAGGTGGGAGGCTCTCTGGCTCACATAATCGTGTCTGTGCACAAATAATCAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG202210 representing NM_014887
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MSYGEIEGKFLGPREEVTSEPRCKKLKSTTESYVFHNHNSNADFHRIQEKTGNDWVPVTIIDVRGHSYLQE
 NKIKTDLHRPLHDEMPGNRPDVIESIDSQLQEARPLVSADDEIYSTSKAFIGPIYKPEKKRNEGR
 NEAHVLNGINDRGGQKEKQKFNSEKSEIDNELFQFYKEIEELEKEKDFENSCKESEPSQEQFVPFYEGH
 NNGLLKPDEEKDLNKAAMPSHCDYQQLGNEPDKYPCNGQVIPTFCDTSFTSFRPEWQSVYPFIVPYGP
 PLPSLNYHLNIQRFSGPPNPPSNIFQAQDDSQIQNGYVNNCHVNWNCMTFDQNNNEYTDCSENRSVHPS
 GNGCSMQDRYVSNFGCEVRERCWKDHCMKHNGTDRFVNQQFQEEKLNKLQKLLILLRGLPGSGKTTLSR
 ILLGQNRDGI VFTDDYFHHQDGYRYNVNQLGDAHDWNQNRKQAIDQGRSPVIDNTNIQAWEMKPYVE
 VAIGKGYRVEFHEPETWWKFDPEELEKRNKHGVSRRKIAQMLDRYEYQMSISIVMNSVEPSHKSTQRPPP
 PQGRQRWGGSLGSHNRVCVTNNH

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-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](#)

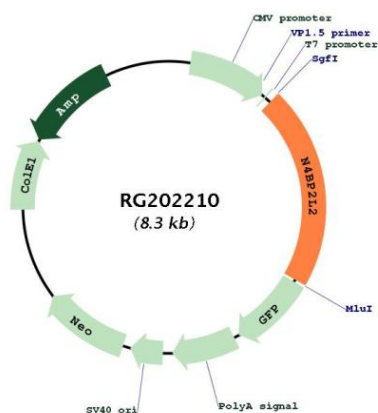
RefSeq Size: 2825 bp

RefSeq ORF: 1752 bp

Locus ID: 10443

UniProt ID: [Q92802](#)

Cytogenetics: 13q13.1

Product images:


Circular map for RG202210