

Product datasheet for **SC309890**

N4BP2 (NM_018177) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	N4BP2 (NM_018177) Human Untagged Clone
Tag:	Tag Free
Symbol:	N4BP2
Synonyms:	B3BP
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_018177, the custom clone sequence may differ by one or more nucleotides <pre> ATGCCAAGGAGAAGGAAAAATCTTGGGGGAAATCCTTTTCGGAAGACTGCAAACCCTAAG GAAGTTGTCGTATCCAGTGTTGCTAGTCGTGAGGAGCCAACCACTACTCTACCTTCCATG GGTGAGACAAAAGTTGATCAGGAAGAACTCTTCACCAAGTATCTCAGAGATATTTTCTGAT CTGGATCCTGATGATGTATTTGATGCTTTCTGAATGTGATTTCAAAGTTGAAAATGCT ATGGATTGTCTATTAGAATTATCTGCCACTGATACCAAGATAGAAGAATCATCTTCACAA AGTTTCGTTGCTTCTGAGAACCAAGTAGGTGCAGCAGAAAGTAAAATAATGAAAAACGT CCTGAAGAAGAGAGTGAAGATTCAAAAATGGATTCATTTTTGGACATGCAGCTAACTGAA GACCTGGATTCTTAATACAGAATGCTTTTGAGAAATTGAACTCTCTCCTGATGACCAA GTATACTCATTTTTGCCTTCACAAGATGTTAATAGTTTTAATGACTCAAGTGAGTTTATA AATCCTGATTCAAGTAATATGACTCCCATTTTTCTACACAAAATATGAATTTGAACGGT GAAAATTTAGAGAATCTGGTTCTACTTTAAGTTTAAACCCATTACCTTCACATTCAGTT TTGAACGAGTCCAAGTGTTTTATAAAGGATAACACATTGGCTTTGGAAAGTAACTACCCG GAAGATTCTCTTCTCAGTAGTTCTTTAATGTAGCAAGTGACTCCATCGCAGGTTGTAGC AGTCTCAATCAAAAACAGAAAGAACTTTTAGAATCTGAGTGCCTTGAGGCTCAATTCTCT GAAGCTCCTGTAGATTTGGATGCCAGTGAACCTCAGGCTTGTTTTAAACCTCCAGGGCTT GATTTACAGGTACAGGTGGGGATCAGAAATCTACTCGGGTCTCTGATGTGTTTTCTACCT TCCGAAGGGTTCAACTTCAAGCCACACAAACATCCTGAACTGCCAACTAAGGGGAAGGAT GTGAGTTACTGCCGGTACTTGCTCCTCTCCATTGCTGTTGCCTCCTCCGCCACCTCCA CCGATGTGGAATCCAATGATTCTGCTTTTGACCTCTTCCAAGGAAACCATGGCTTTGTA GCTCCTGTTGTAACACAGCTGCACACTGGAGATCTGTCAACTACACATTTCCACCCTCA GTTATTTCTCACACTTCCCCAACAAAAGTATGGAGAAATAAAGATGGAACAAGTGCTTAT CAAGTACAAGAAACCCAGTTTCTCAGGTTGTAAGAAAGAAGACATCTTACGTTGGACTA GTTCTTGTTCTTCTCAGAGGTCTTCCGGGATCTGGAATACTTTTTTGGCAAGGACTTTG CAAGAGGATAATCCAAGTGAGTCATTCTAGTACTGATGATTATTTTATATAAATGGA CAGTACCAGTTTGATGTAAAGTACTTAGGAGAAGCACATGAATGGAACCAGAATCGTGCA AAAGAAGCATTTGAGAAGAAGATATCTCTATAATTATAGATAATACAAACCTACAGGCA TGGGAAATGAAACCATATGTTGCTTTGTCTCAGAAACACAAATATAAAGTCCTTTTTCGG GAACCAGACACATGGTGGAAGTTTAAACCAAGGAACCTTGCAAGGCGTAACATTCATGGG GTAAGCAAAGAAAAAATAACAAGAATGTTGGAACATTATCAACGTTTTGTTTCAGTGCCA </pre>



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 CGCATCAAACAGCTGTCTTAAGTACCTCATAAGCCATAGCTTCAGGTTCTCTGAAATT
 AAACCAGGGTGCTTGAAGTCATGCTAAAGTAA

Restriction Sites:	Please inquire
ACCN:	NM_018177
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_018177.2, NP_060647.2</u>
RefSeq Size:	6616 bp
RefSeq ORF:	5313 bp
Locus ID:	55728
UniProt ID:	<u>Q86UW6</u>
Cytogenetics:	4p14
Domains:	Smr

Gene Summary:

This gene encodes a protein containing a polynucleotide kinase domain (PNK) near the N-terminal region, and a Small MutS Related (Smr) domain near the C-terminal region. The encoded protein can bind to both B-cell leukemia/lymphoma 3 (BCL-3) and neural precursor cell expressed, developmentally downregulated 4, (Nedd4) proteins. This protein binds and hydrolyzes ATP, may function as a 5'-polynucleotide kinase, and has the capacity to be a ubiquitylation substrate. This protein may play a role in transcription-coupled DNA repair or genetic recombination. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2016]

Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.