

Product datasheet for **RC205495**

WBP2NL (NM_152613) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | WBP2NL (NM_152613) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | WBP2NL |
| Synonyms: | GRAMD7; PAWP |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >RC205495 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCGGTGAATCAGAGCCACCCGAGAACC GCCCGGAGCCCTCATCCCTAACGGTGAAAGTCTCTTGA
AGCGGTCTCCGAATGTGGAGCTCTCCTCCACAGCGATCAGAAGGCTCAAATGTCTTTAGTGGTAGAAA
GACAGGAACATTGTTTCTCACTTCATACCGGTGATTTTCATAACTTCATGCTCCATCAGTGATCCCATG
TTGTCTTTTATGATGCCATTTGATCTGATGACGAACCTCACTGTTGAACAACCAGTATTTGCTGCAAACT
TCATTAAGGGAATTCAGGCAGCTCCATATGGTGGCTGGAAGGACAAGCTACTTTTAAATTAGTCTT
CAGAAATGGAGGTGCCATTGAATTTGCCAGTTGATGGTAAAAGCTGCCTCTGCTGCTGCCGAGGATTT
CCACTTAGAACCTTAAATGACTGGTTCAGCTCTATGGGAATTTATGTAATTACTGGGAAGGGAATATGT
GCACTCCACAGATGCCTTGTTTCAGTTATTGTCTATGGAGCCCCACCTGCAGGATATGGAGCCCCACCTCC
CGGATACGGAGCCCCACCTGCAGGATATGGAGCCCAACCCGTAGGAAATGAAGGCCCGCCTGTGGGATAC
AGAGCCTCACCTGTGCGATATGGAGCCCCACCTCTGGATACGGAGCCCCACCTGCAGGATATGGAGCCC
CACCTCTAGGATATGGAGCCCCACCTCTGGATATGGAACCCACCTCTCGGATATGGAGCCCCACCTCT
CGGATATGGAGCCCCACCTGCAGGAAATGAAGGCCCGCCTGCGGGATACAGAGCCTCACCTGCTGGATCA
GGAGCCAGGCCTACGAATCTACAGCAGCCAGGCTCTGAAAACGAGGCTTCTCTCCCTGCTGCCTCCT
CTTCTCAGGTCCATTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC205495 protein sequence
Red=Cloning site Green=Tags(s)

MAVNQSHTEARRGALIPNGESLLKRSPNVELSFPQRSEGSNVFSGRKTGTLFLTYSRVIFITSCSISDPM
 LSFMMPFDLMTNLTVEQPVFAANFIKGTIQAAPYGGWEGQATFKLVFRNGGAIIEFAQLMVKAASAAARGF
 PLRTLNDWFSSMGIYVITGEGNMCTPQMPCSVIYVGAPPAGYGAPPPGYGAPPAGYGAQPVGNEGPPVGY
 RASPVRYGAPPLGYGAPPAGYGAAPPLGYGAPPLGYGTPPLGYGAPPLGYGAPPAGNEGPPAGYRASFPAGS
 GARPHESTAAQAPENEASLPSASSSQVHS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6537_d02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152613

ORF Size: 927 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_152613.1](#), [NP_689826.1](#)

RefSeq Size: 2330 bp

RefSeq ORF: 930 bp

Locus ID: 164684

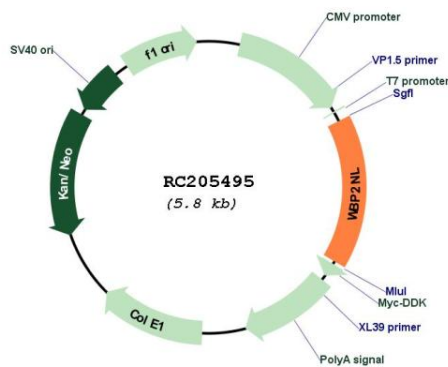
UniProt ID: [Q6ICG8](#)

Cytogenetics: 22q13.2

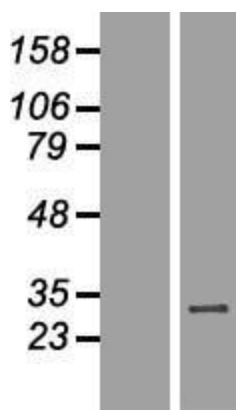
MW: 31.9 kDa

Gene Summary: WBP2NL is a sperm-specific WW domain-binding protein that promotes meiotic resumption and pronuclear development during oocyte fertilization (Wu et al., 2007 [PubMed 17289678]). [supplied by OMIM, Mar 2008]

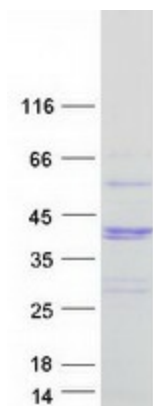
Product images:



Circular map for RC205495



Western blot validation of overexpression lysate (Cat# [LY407418]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205495 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified WBP2NL protein (Cat# [TP305495]). The protein was produced from HEK293T cells transfected with WBP2NL cDNA clone (Cat# RC205495) using MegaTran 2.0 (Cat# [TT210002]).