

Product datasheet for **RC210721**

WW domain binding protein 4 (WBP4) (NM_007187) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WW domain binding protein 4 (WBP4) (NM_007187) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	WW domain binding protein 4
Synonyms:	FBP21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC210721 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGACTACTGGAAGTCACAGCCAAAGAAATCTGTGATTACTGCAAGTGCTGGATAGCAGACAATA
GGCCTAGTGTGAATTTTCATGAAAGAGGAAAGAATCATAAGGAAAATGTGGCAAAAGGATCAGTGAGAT
TAAACAGAAAAGCCTGGATAAGGCAAAGGAAGAAGAAAAGGCATCAAAGGAGTTTGCTGCAATGGAGGCA
GCTGCCCTGAAAGCATACCAAGAGGATTTGAAAAGACTTGGCTTAGAGTCAGAAATTTGGAGCCAAGCA
TAACACCAGTAACCAGCACTATCCACCTACCTCGACATCAAATCAACAGAAAAGAAAAGAAAAGAA
GAAAAGAAAAAAGATCCTTCAAAGGGCAGATGGGTAGAAGGCATAACCTCTGAGGGTTACCATTACTAT
TATGATCTTATCTCAGGAGCATCTCAGTGGGAGAAACCTGAAGGATTTCAAGGAGACTTAAAAAGACAG
CAGTGAAGACCGTTTGGGTAGAAGGTTTAAAGTGAAGATGGTTTTACCTATTACTATAATACAGAAACAGG
AGAATCCAGATGGGAGAAACCTGATGATTTTCATCCACACACTAGTGATCTGCCTTCTAGTAAGGTCAAT
GAAAATTCACCTTGGCACCTAGATGAATCCAAATCATCAGATTCGCATAGTGATTCTGATGGGGAACAGG
AAGCAGAAGAAGGAGGGGTCTCTACAGAGACAGAAAAGCCAAAAATAAGTTTAAAGGAAAAAATAAAAA
TAGTGATGGAGGAAGTGACCCAGAAACACAGAAAGAAAAAGTATTGAGAAACAGAAATTCATTAGGTTCA
AATGAAGAAAAATCGAAAACCTTAAGAAATCAAACCCATATGGAGAATGGCAAGAAATTAACAAGAGG
TTGAGTCTCATGAGGAGGTAGATTTGAACTTCCAAGCACTGAAAATGAGTATGTATCAACTTCAGAAGC
TGATGGTGGCGGAGAACCAGTGGTATTTAAAGAAAAAACAGTCACTTCTCTTGGAGTTATGGCAGAT
GGAGTGGCCCCAGTCTTCAAAAAGAGAAGAACTGAAAATGGAAAATCTAGAAATTTAAGGCAACGAGGTG
ATGATCAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC210721 protein sequence
 Red=Cloning site Green=Tags(s)

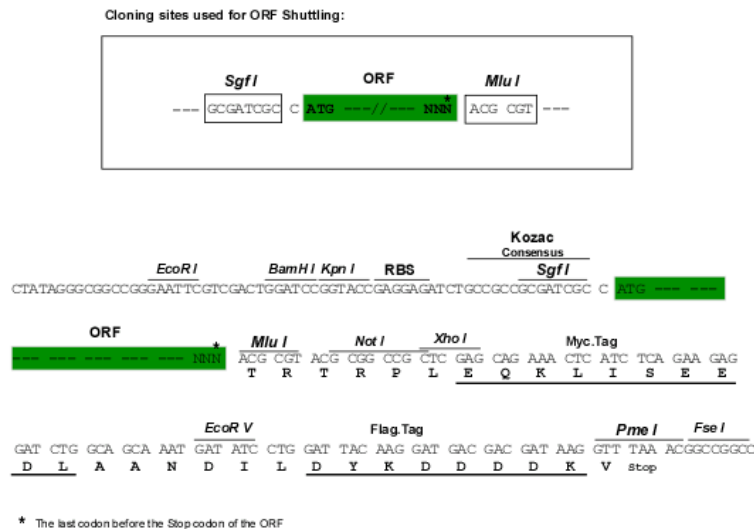
MADYWKSPKKFCDYCKWIADNRPSVEFHERGKNHKNVAKRISEIKQKSLDKAKEEEKASKEFAAMEA
 AALKAYQEDLKRLGLESEILEPSITPVTSTIPPTSTSNQQKEKKEKKRKKDPSKGRWVEGITSEGYHYY
 YDLISGASQWEKPEGFQGDLLKKTAVKTVWVEGLSEDGFTYYNTETGESRWEKPDDFIPHTSDLPSSKVN
 ENSLGTLDKSSSDSHSDSDGEQAEEGGVSTETKPKIKFKEKNKNSDGGSDPETQKEKSIQKQNSLGS
 NEEKSKTLKKSNPYGEWQEIQVEVESHEEVDLELPSTENEYVSTSEADGGGEPKVVFKEKTVTSLGYMAD
 GVAPVFKKRRTENGKSRNLRQGGDDQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6843_a01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_007187

ORF Size: 1128 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_007187.5](#)

RefSeq Size: 2354 bp

RefSeq ORF: 1131 bp

Locus ID: 11193

UniProt ID: [O75554](#)

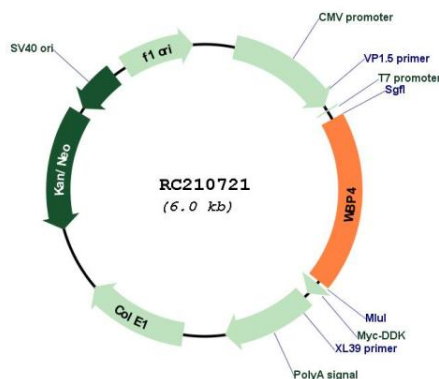
Cytogenetics: 13q14.11

Domains: WW, ZnF_U1

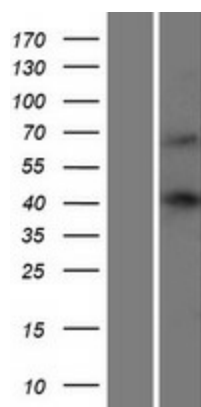
MW: 42.5 kDa

Gene Summary: This gene encodes WW domain-containing binding protein 4. The WW domain represents a small and compact globular structure that interacts with proline-rich ligands. This encoded protein is a general spliceosomal protein that may play a role in cross-intron bridging of U1 and U2 snRNPs in the spliceosomal complex A. [provided by RefSeq, Jul 2008]

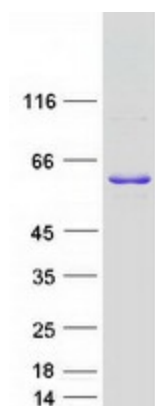
Product images:



Circular map for RC210721



Western blot validation of overexpression lysate (Cat# [LY416138]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC210721 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified WBP4 protein (Cat# [TP310721]). The protein was produced from HEK293T cells transfected with WBP4 cDNA clone (Cat# RC210721) using MegaTran 2.0 (Cat# [TT210002]).