

## **Product datasheet for RC212121**

### OriGene Technologies, Inc.

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### WBP5 (TCEAL9) (NM\_001006612) Human Tagged ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

Product Name: WBP5 (TCEAL9) (NM 001006612) Human Tagged ORF Clone

Tag: Myc-DDK
Symbol: WBP5

Synonyms: WBP5; WEX6

Mammalian Cell

Selection:

Neomycin

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)ORF Nucleotide>RC212121 ORF sequence

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGAAATCCTGTCAAAAAATGGAAGGAAAACCAGAAAATGAGAGTGAACCAAAGCATGAGGAAGAGCCAAAGCCTGAGGAAAAAGCCAGAAGAGGAAGAGCTAGAGGAGGAGGAGGCCAAAGCAAAAGGAACTTTTAGAGAAAGGCTGATTCAATCTCTCCAGGAGTTTAAAGAAGATATACACAAACAGGCATTTAAGCAATGAAGATATGTTTAGAGAAAGTGAAGATGAAGATAAGGAGAGTCAGAAACCAACTTATAGTGATGCGTTGGAAGG

TTAATCGAAACCATCCTTACCCCTATTTAATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC212121 protein sequence

Red=Cloning site Green=Tags(s)

MKSCQKMEGKPENESEPKHEEEPKPEEKPEEEEKLEEEAKAKGTFRERLIQSLQEFKEDIHNRHLSNEDM

FREVDEIDEIRRVRNKLIVMRWKVNRNHPYPYLM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: <a href="https://cdn.origene.com/chromatograms/mk6429">https://cdn.origene.com/chromatograms/mk6429</a> b06.zip

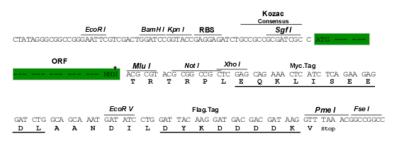
**Restriction Sites:** Sgfl-Mlul





#### **Cloning Scheme:**





<sup>\*</sup> The last codon before the Stop codon of the ORF

**ACCN:** NM\_001006612

ORF Size: 312 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: <u>NM 001006612.2</u>

RefSeq Size: 1099 bp
RefSeq ORF: 315 bp
Locus ID: 51186



UniProt ID: Q9UHQ7

Cytogenetics: Xq22.2

MW: 12.7 kDa

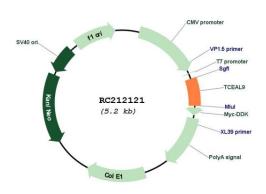
**Gene Summary:** The globular WW domain is composed of 38 to 40 semiconserved amino acids shared by

proteins of diverse functions including structural, regulatory, and signaling proteins. The domain is involved in mediating protein-protein interactions through the binding of

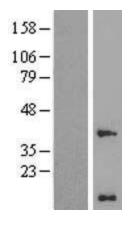
polyproline ligands. This gene encodes a WW domain binding protein. This gene also encodes a domain with similarity to the transcription elongation factor A, SII-related family. Alternative splicing results in multiple transcript variants encoding a single isoform. [provided by RefSeq,

Jul 2008]

# **Product images:**



Circular map for RC212121



Western blot validation of overexpression lysate (Cat# [LY423690]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC212230] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).