

## Product datasheet for RC217569

### WDR4 (NM\_033661) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** WDR4 (NM\_033661) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** WDR4  
**Synonyms:** GAMOS6; hWH; MIGSB; TRM82; TRMT82; Wuho  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC217569 representing NM\_033661  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGGGCTCTGTGGGACTGGCGTTGTGCGGGCAGACGTTGGTGGTGCGGGGGCGGCAGCCGATTCTGG  
 CCACCTCCATAGCAAGCAGTGATGATGACAGCCTTTCATCTATGACTGCAGTGTGCAGAAAAGAAGTC  
 ACAAGAAAATAAAGGGGAGGACGCGCCCTTGACCAGGGGAGCGGTGCGATTCTGGCGTCCACCTTCTCC  
 AACTCTGGCAGCTATTTTGCTTTAACCGATGACAGTAAGCGTCTGATTCTTTCCGTACAAAACCATGGC  
 AATGCTGAGTGTGAGGACCGTGGCAAGGAGGTGTACAGCCCTGACTTTCATAGCCTCGGAGGAGAAGGT  
 CTGGTGGCCGACAAGTCTGGAGACGTCTACTCCTTTTCGGTGTGGAGCCACACGGGTGTGGCCGTCTA  
 GAGCTGGGGCACCTGTCTATGCTGTTAGATGTGGCTGTGAGTCTGATGACCGCTTCATCCTCACTGCCG  
 ACCGGGACGAGAAGATCCGAGTCAGCTGGGCGCGGCCCCCATAGCATCGAGTCCTTCTGCTTGGGGCA  
 CACAGAGTTTGTGAGCCGTATCTCCGTGGTGCCAACTCAGCCCGGGCTGCTTCTGTCTCCTCTGGGGAC  
 GGCACCTGAGGCTCTGGGAGTACAGGAGCGGCCAGCTGCACTGCTGTACCTGGCCAGTCTGCAGG  
 AGCTGGTGGACCCCGAGCCCGCAGAAGTTGCCCGTCCAGGATTGCATTCTGGTGCCAGGAGAAGTGT  
 CGTGGCGCTCCTGTGCGACGGCACTTCTGTGGTCTACATCTTCCAGCTGGACGCCGAGCAGCAGTTG  
 GTGTACAGGCAGCAGCTGGCGTTCCAGCACCAAGTGTGGGACGTGGCTTTCGAGGAGACCCAGGGGCTGT  
 GGGTGTCCAGGACTGCCAGGAAGCCCCCTGGTGTCTACAGGCTGTGGCGACAGTGGCAGTCTGT  
 TCCTGAGAGCACCGTGTAAAGAAAGTCTCTGGTGTCTTCTGTTGGAAGTGGCCATGCTGGAAGGCTCT  
 GCCGGCGCAGACGCCAGCTTCCAGAGTCTCTACAAGGCCAGTTCGACAACGTGACCTCCTACCTGAAGA  
 AGAAAGAGGAGAGACTGCAGCAGCAGCTAGAGAAGAAGCAGCGGCCAGAGTCCCCCGCTGGGCCGA  
 CGGGCATGCCAAGAAGATGAGACCGGGGAGGCGACGCTAAGTTGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**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\\_033661.4](#)

**RefSeq Size:** 1524 bp

**RefSeq ORF:** 1239 bp

**Locus ID:** 10785

**UniProt ID:** [P57081](#)

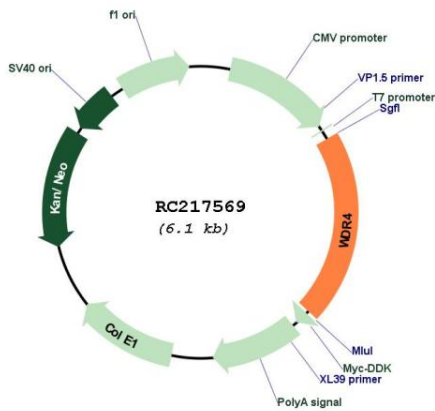
**Cytogenetics:** 21q22.3

**Domains:** WD40

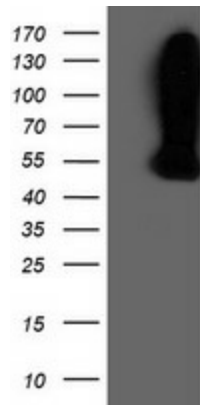
**MW:** 45.3 kDa

**Gene Summary:** This gene encodes a member of the WD repeat protein family. WD repeats are minimally conserved regions of approximately 40 amino acids typically bracketed by gly-his and trp-asp (GH-WD), which may facilitate formation of heterotrimeric or multiprotein complexes. Members of this family are involved in a variety of cellular processes, including cell cycle progression, signal transduction, apoptosis, and gene regulation. This gene is excluded as a candidate for a form of nonsyndromic deafness (DFNB10), but is still a candidate for other disorders mapped to 21q22.3 as well as for the development of Down syndrome phenotypes. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, May 2012]

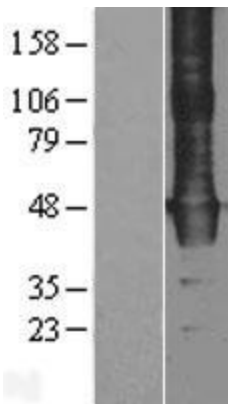
Product images:



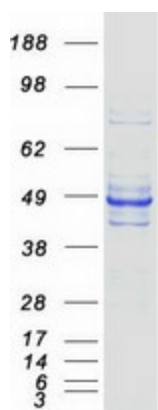
Circular map for RC217569



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY WDR4 (Cat# RC217569, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-WDR4 (Cat# [TA503815]). Positive lysates [LY403257] (100ug) and [LC403257] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY403257]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC217569 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified WDR4 protein (Cat# [TP317569]). The protein was produced from HEK293T cells transfected with WDR4 cDNA clone (Cat# RC217569) using MegaTran 2.0 (Cat# [TT210002]).