

## Product datasheet for **SC332730**

### WDR4 (NM\_001260477) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** WDR4 (NM\_001260477) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** WDR4  
**Synonyms:** GAMOS6; hWH; MIGSB; TRM82; TRMT82; Wuho  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC332730 representing NM\_001260477.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCTGTTAGATGTGGCTGTGAGTCTGATGACCGCTTCATCCTCACTGCCGACCGGGACGAGAAGATC
CGAGTCAGCTGGGCCGCGGCCCCATAGCATCGAGTCTTCTGCTTGGGGCACACAGAGTTTGTGAGC
CGTATCTCCGTGGTGCCAACTCAGCCCGGGCTGCTTCTGTCTCCTCTGGGGACGGCACCCTGAGGCTC
TGGGAGTACAGGAGCGGCCGCCAGCTGCACTGCTGTACCTGGCCAGTCTGCAGGAGCTGGTGGACCCC
CAGGCCCCCGAGAAGTTTGCCCGTCCAGGATTGCATTCTGGTGCAGGAGAAGTGGTGGCGCTCCTG
TGGCAGCGCACTCTGTGGTCTACATCTCCAGCTGGACGCCCGCAGACAGCAGTTGGTGTACAGGCAG
CAGCTGGCGTTCCAGCACCAAGTGTGGGACGTGGCTTTCGAGGAGACCCAGGGGCTGTGGGTGCTCCAG
GACTGCCAGGAAGCCCCCTGGTCTCTACAGGCTGTGGGCGACAGTGGCAGTCTGTTCTGAGAGC
ACCGTGTAAAGAAAGTCTCTGGTGTCTTCTCGTGGGAACTGGGCCATGCTGGAAGGCTCTGCCGGCGCA
GACGCCAGCTTCAGCAGTCTCTACAAGGCCACGTTGACAACTGACCTCCTACCTGAAGAAGAAAGAG
GAGAGACTGCAGCAGCAGCTAGAGAAGAAGCAGCGGCCCGGAGTCCCCCGCTGGGCCCGACGGGCAT
GCCAAGAAGATGAGACCGGGGGAGGCGACGCTAAGTTGCTGA
  
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**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001260477  
**Insert Size:** 801 bp  
**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).  
**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).



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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\\_001260477.1](#)

**RefSeq Size:** 2223 bp

**RefSeq ORF:** 801 bp

**Locus ID:** 10785

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

**Cytogenetics:** 21q22.3

**MW:** 29.9 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]

Transcript Variant: This variant (6) contains an alternate 5' terminal exon and uses an alternate donor splice site at an exon in the 5' region compared to variant 1, resulting in translation initiation from an in-frame downstream AUG and an isoform (3) with a shorter N-terminus compared to isoform 1. Variants 4-6 encode the same isoform.