

## Product datasheet for **SC107949**

### WDR4 (NM\_033661) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	WDR4 (NM_033661) Human Untagged Clone
Tag:	Tag Free
Symbol:	WDR4
Synonyms:	GAMOS6; hWH; MIGSB; TRM82; TRMT82; Wuho
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC107949 sequence for NM_033661 edited (data generated by NextGen Sequencing)

```

ATGGCGGGCTCTGTGGGACTGGCGTTGTGCGGGCAGACGTTGGTGGTGGCGGGCGGCAGC
CGATTCTGGCCACCTCCATAGCAAGCAGTGATGATGACAGCCTTTCATCTATGACTGC
AGTGCTGCAGAAAAGAAGTCACAAGAAAATAAAGGGGAGGACGCGCCCTTGGACCAGGGG
AGCGGTGCGATTCTGGCGTCCACCTTCTCCAACCTGGCAGCTATTTTGTCTTAACCGAT
GACAGTAAGCGTCTGATTCTTTCCGTACAAAACCATGGCAATGTCTGAGTGTCAGGACC
GTGGCAAGGAGGTGTACAGCCCTGACTTTCATAGCCTCGGAGGAGAAGGTCTTGGTGGCC
GACAAGTCTGGAGACGTCTACTCTTTTCGGTGTGGAGCCACACGGGTGTGGCCGTCTA
GAGCTGGGGCACCTGTCTATGCTGTTAGATGTGGCTGTGAGTCTGATGACCGCTTCATC
CTCACTGCCGACCGGGACGAGAAGATCCGAGTCAGCTGGGCCGCGGCCCCATAGCATC
GAGTCCTTCTGCTTGGGGCACACAGAGTTTGTGAGCCGTATCTCCGTGGTGCCAACCTCAG
CCCGGGCTGCTTCTGTCTCCTCTGGGGACGGCACCTGAGGCTCTGGGAGTACAGGAGC
GGCCGCCAGCTGCACTGTCTGACCTGGCCAGTCTGCAGGAGCTGGTGGACCCCCAGGCC
CCCCAGAAGTTTGCCGCGTCCAGGATTGCATTCTGGTGCCAGGAGAAGTGGTGGCGCTC
CTGTGCGACGGCACTTCTGTGGTCTACATCTTCCAGCTGGACGCCCGCAGACAGCAGTTG
GTGTACAGGCAGCAGCTGGCGTCCAGCACCAAGTGTGGGACGTGGCTTTCGAGGAGACC
CAGGGGCTGTGGGTGCTCCAGGACTGCCAGGAAGCCCCCTGGTGTCTACAGGCCTGTG
GGCGACCAAGTGGCAGTCTGTTCCCTGAGAGCACCGTGTTAAAGAAAGTCTCTGGTGTCTT
CGTGGGAAGTGGCCATGCTGGAAGGCTCTGCCGGCGCAGACGCCAGCTTACAGCAGTCTC
TACAAGGCCACGTTTCGACAACGTGACCTCCTACCTGAAGAAGAAAGAGGAGAGACTGCAG
CAGCAGCTAGAGAAGAAGCAGCGCGCCAGAGTCCCCCGCTGGGCCCGACGGGCATGCC
AAGAAGATGAGACCGGGGAGGGCAGCGCTAAGTTGCTGA

```

Clone variation with respect to NM\_033661.3  
213 g=>c;796 c=>t;1169 g=>a



[View online »](#)

<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_033661 unedited  CACATTTGTATACGACTCATATAGGGCGGCCGGAATTCGCACGAGCGGGTACATGGCGG  GCTCTGTGGGACTGGCGTTGTGCGGGCAGACGTTGGTGGTGCGGGGCGGCAGCCGATTCC  TGGCCACCTCCATAGCAAGCAGTGATGATGACAGCCTCTTCATCTATGACTGCAGTGCTG  CAGAAAAGAAGTCACAAGAAAATAAGGGGAGGACGCGCCCTTGGACCAGGGGAGCGGTG  CGATTCTGGCGTCCACCTTCTCCAACCTGGCAGCTATTTTGTCTTAACCGATGACAGTA  AGCGTGTGATTCTTTTCCGTACAAAACCATGGCAATGTCTGAGTGTGAGGACCGTGGCAA  GGAGGTGTACAGCCCTGACTTTTCATAGCCTCGGAGGAGAAGGTCTTGGTGGCCGACAAGT  CTGGAGACGTCTACTCCTTTTCCGGTGTGGAGCCACACGGGTGTGGCCGTCTAGACTGG  GGCACCTGTCTATGCTGTAGATGTGGCTGTGAGTCTGATGACCGCTTCATCCTCACTG  CCGACCGGGACGAGAAGATCCGAGTCAGCTGGGCCGCGGCCCCATAGCATCGAGTCTCT  TCTGCTGGGGCACACAGAGTTTGTGAGCCGTATCTCCGTGGTCCAACTCAGCCCGGGC  TGCTTCTGTCTCTCTGGGGACGGCACCCCTGAGCTCTGGGAGTACAGGAGCGGCCGNC  AGCTGCACTGTTGTACCTGGCCAGTCTGCAGGAGCTGGGGACCCCCAGCCCCCAGA  AGGTTGCCGCGTTCAGGATTGCTTCTGTGCCACGAGAAGTGCCTGGCGCTCTGGGCGA  CGGACTTCTGGGGCTACATTTTTCAGCTGGACCGCCANACACAAATTGTGGACAGGCA  ACAGCTGGCTTCAACCCCAAGGTGGGACTGGGTTTTTCAGAAA</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_033661 unedited  AACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTCTAGTCAAAA  ATTTACTACACAGCACTCAGTAGCGGAAAAACATATCCATAAGCAGAGGACAAATCAC  AGATGCTCCTCGACTTACGATGGAGCTACATCCGAACAAGCTCATCGTCGGCCGACAGAT  CGCACGCAAGTGGTCCACGGATCGCACATAAGTGGTCCACAGTCGACAGAAACAGACCGC  CAGGATCAGCAACTTAGGTCGCCTCCCCGGTCTCATCTTCTTGGCATGCCCGTCGGGC  CCAGGCGGGGACTCTGGCGCCGCTGCTTCTTCTAGCTGTGCTGCAGTCTCTCCTCT  TTCTTCTCAGGTAGGAGGTCACGTTGTGCAACGTGGCCTTGTAGAGACTGCTGAAGCTG  GCGTCTGCGCCGGCAGAGCCTTCCAGCATGGCCAGTTCACCAAGAACAACACCAGAGACT  TTCTTTAACACGGTGTCTCAGGAACAGACTGCCACTGGTCGCCCACAGGCGCTGTAGAGC  ACCAGGGGGGCTTCTGGCAGTCTGGAGCACCCACAGCCCTGGGTCTCCTCGAAAGCC  ACGTCCACACTTGGTGTGGAACGCCAGCTGTGCTGTACACCAACTGCTGTCTGCGG  GCGTCCAGCTGGAAGATGTAGACCACAGAAGTCCGCTCGCACAGGAGCCACGACGTTT  TCCTTGACCAAGATGCAATCCTGGACGCGGCAACTCTGGGGGGCTGGGGGTACACCAG  CTCCTGCAGACTGGCAGGTGACNCAATGCACTTGGGGCCGCTTGTCTCCAGAACCTA  GGGTGCCGTCCCAGAGAAGACAGAANCACCCGGNCTGGTTGGGACCCGAAATACGGTTA  AAACCCTGGTGGCCAAACAAAAGACTCTTGCTTTGGGGGCGCGGCACCTGATGGTACTT  TTGTCCGGTCGCATAAGGAAAACGTCATC</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_033661
<b>Insert Size:</b>	1500 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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\\_033661.3](#), [NP\\_387510.1](#)

**RefSeq Size:** 1524 bp

**RefSeq ORF:** 1239 bp

**Locus ID:** 10785

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

**Cytogenetics:** 21q22.3

**Domains:** WD40

**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 (2) differs in the 3' UTR compared to variant 1. Variants 1 and 2 encode the same isoform (1).