

Product datasheet for SC110306

WDR7 (NM_052834) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WDR7 (NM_052834) Human Untagged Clone
Tag:	Tag Free
Symbol:	WDR7
Synonyms:	TRAG
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC110306 sequence for NM_052834 edited (data generated by NextGen Sequencing)

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ATGGCAGGAAACAGCCTTGTCTACCCATTGTTCTTTGGGGTCGAAAAGCGCCACACAT
TGCATCTCAGCGTACTTTTAACAGATGATGGGGCCACGATCGTAACAGGATGTCACGAC
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 CCCGCTCCCCGGCTCCACAATGCCCTCAAGCTGGCCGGCTCATCTGGACTTCCAAC
 CGCAACGTCATCCTCATGCCCCATGACGGGAAGGAGCACCGCTTCATGGTCTAA

Clone variation with respect to NM_052834.2
 72 c=>g;2982 g=>a

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_052834 unedited</p> <pre> ACTTTACCGGCCCGTTGCCGCATATGGGCGTAGGCGTGTACGGTGGGAGGTCTATATAAG CAGAGCTCATTTAGGTGACACTATAGAATAACAAGTACTTGTCTTTTTGCAGCGGCCGC GAATTCGGCACGAGGTGGGGGCCAGCCGGGGTCTTTGTGGTCCCTGCCTGGTTTGAA AACACAAACACAATGGCAGGAAACAGCCTTGTCTACCCATTGTCTTTGGGGTCGAAAA GCGCCACACATTGCATCTCAGCGGTACTTTAACAGATGATGGGGCCACGATCGTAACA GGATGTCACGACGACAAATATGTCTCTGGGATCTTTCAGTAGAACTGCAAATTAATCCT CGAGCACTGTTGTTGGTCATACAGCATCAATCACTTGTGTCTAAAGCTTGTGCTTCC AGTGACAAACAGTATATTGTGAGTGCATCTGAAAGTGGAGAGATGTGCCTCTGGGATGTG AGTGATGGCAGATGATTGAATTTACAAAATTAGCTTGCACACATACTGGCATAACAGTTC TACCAGTTCTCTGTTGGGAATCAGCGAGAAGGAAGGCTTTTATGCCACGGACATTACCT GAAATCCTTGTGTGGATGCTACCAGCCTTGAAGTATTATACTCCTTAGTATCAAAGATA TCACCAGACTGGATTAGCTCCATGAGTATTATTCGATCCCACCAACACAAGAGGACACA GTGGTAGCACTCTCGGTACTGGCATCCTGAANGTCTGGATTGNTACCTCGGGAATAAGT GACATGCAGGATACTGAGCCAATATTTGAGGAGAATCCAACCAATTATTGTCAGAAATG CCAAAGCATCTCTTTTTGTGCATTTACACAAGGTCACTTTTGGGNTGTGTGCCAATAT TGGAGGGTGTTCGATGCCGAGACTATTC </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_052834 unedited</p> <pre> GACAACCTATGTACGTGGCCGCTTTTAAGATCGGTTTTTTTTTTTTTTTTTTAAATACAA TTGTTTTATTTAACACACATATGTACACAGGGAACATTACGCACACATAGAGTCTATTA GTGGAATCATTAAAGAAATGTCTGGAGAGGCAGACATTTTAATCACTCGCTGTACACAGG GAGTTCAATCATCACATTTTCATACAGGTGTCACGTATGTCATCTTTTGCTTGTAAATT ACCAATGAAGCCACATATGTCTCTACATATAACAAGGACAGGTCCAATACAGTGCCAGTG AAATCAATAAAACATTAAGGTGTACGCTGGGATGACAATGCAGAGTTTACCTCAGTGTCT GAGAAATCTAAGCTGGGATGAAGTTTGGGACTGTGGCTATTAATAAGCCAAGGAGAGAT TTATGTTAACAAGAATGCAGATATTAGTTTAGTAGTATGAGATGACCGTCAATCATCAA ACATCGTCCACCCAGGGTTTTGCAGCCATAGCTTTCTACTGGCCTTGGTTGCCTGTGCA GACGGAATACGTGAAAGCCTACCCACGCTTGTGGCCCATGGCTATTGCTCCTCTGAGCC CCCTGGCTTTGTTCTCAACCTTCGTGGCGGTGGGAGCCATCCGTGTGTTGCAGCAAGCT GCCTACCGTCTCACACCTCTTCTGACCACAGAACATTTTGTAAAGAAATGCTAGGTAT ACATTTACTCATTCATTCAAATAGAATGTAGTCTACATAAAATAATTTCCATTTAAGTTCA TAAAGTAAACATATTGTGGGTATAGAGAAGACTCTGGACCCACTGGAAAACAAATGAGCT TTTTACCTTACATTNCTCTACCTTGCCAACCCACAGGCCGTTTCA </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_052834
Insert Size:	7000 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).

Reconstitution Method:	<ol style="list-style-type: none">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_052834.2, NP_443066.2</u>
RefSeq Size:	7183 bp
RefSeq ORF:	4374 bp
Locus ID:	23335
UniProt ID:	<u>Q9Y4E6</u>
Cytogenetics:	18q21.31
Domains:	WD40
Gene Summary:	<p>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) that 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. The encoded protein forms the beta subunit of rabconnectin-3 and binds directly with Rab3A GDP/GTP exchange protein and indirectly with Rab3A GDP/GTP activating protein; these proteins are regulators of Rab3 small G protein family members involved in control of the calcium-dependant exocytosis of neurotransmitters. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) lacks an exon within the coding region, compared to variant 1. It encodes isoform 2, which is shorter than isoform 1.</p>