

Product datasheet for RN201297

Wdr83 (NM_001047847) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wdr83 (NM_001047847) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Wdr83
Synonyms:	Morg1; RGD1306947
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN201297 representing NM_001047847 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGCTTTTCTGAGCCAAAGCCGCGGGCACCGGAGCTGCCGCGGAAACAATTGAAGACACTGGACTGCG
 GACAGGGCGCGGTGCGAGCCGTGCGATTTAATGTGGATGGCAACTACTGCCTGACGTGCGGCAGCGATAA
 AACCTAAAGCTGTGGAACCCGCTGCGTGGGACGCTGCTGCGGACGTACAGTGGCCACGGCTACGAAGTG
 CTCGATGCGGCCGCTCCTTTGACAACAGCCATCTCTGTTCTGGTGGCGGGACAAGACGGTGGTTCTGT
 GGGATGTAGCAACAGGGCAGGTCGTGCGAAATTCGGGGCCACGCTGGAAGGTGAACACCGTTCAGTT
 TAATGAAGAAGCCACAGTCATCCTCTCTGGTTCTATCGATTCCAGTGTCAGATGTTGGGACTGCCGATCC
 AGGAAGCCTGAGCCAGTCAGACACTAGATGAAGCCAGGGACGGCATATCCAGTGTAAGGTGTCAGATC
 ATGAGATCTTGGCAGGCTCTGTGGATGGCCGTGAAGGCGCTATGACCTAAGGATGGGACAAGTCACCTC
 GGACTATGTGGGAGCCCATCACCTGCACCTGCTTCAGCCGGGATGGGACGTGCACTCTGATATCCAGC
 CTGGACTCTACTCTGAGGCTTCTAGATAAAGACACAGGGAGCTGCTGGGCGAGTATGTGGGCCATAAAA
 ACCAGAAGTACAAGCTGGACTGCTGCTGAGTGAGCGGATACACACGTGGTCAGCTGCTCTGAGGACGG
 CAAAGTGTTCTTCTGGGACCTGGTAGAGGGTCCCTAGCACTGGCCCTACCTGTGGGTTCTAATGTGGTA
 CAGTCACTGGCTTACCATCCCGCAGACCCCTGCCTATTGACTGCCATGGGAGGCAGCATCCAGTACTGGC
 GAGAAGAGACCTACGAGGCAGAGGGTGGAGCAGGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001047847


[View online »](#)

Insert Size:	948 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:	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_001047847.1</u> , <u>NP_001041312.1</u>
RefSeq Size:	1168 bp
RefSeq ORF:	948 bp
Locus ID:	288924
UniProt ID:	<u>Q5BLX8</u>
Cytogenetics:	19q11
Gene Summary:	Molecular scaffold protein for various multimeric protein complexes. Acts as a module in the assembly of a multicomponent scaffold for the ERK pathway, linking ERK responses to specific agonists. At low concentrations it enhances ERK activation, whereas high concentrations lead to the inhibition of ERK activation (By similarity). Also involved in response to hypoxia by acting as a negative regulator of HIF1A/HIF-1-alpha via its interaction with EGLN3/PHD3. May promote degradation of HIF1A. May act by recruiting signaling complexes to a specific upstream activator. May also be involved in pre-mRNA splicing. [UniProtKB/Swiss-Prot Function]