

Product datasheet for MC206690

Wdr68 (BC048165) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wdr68 (BC048165) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Wdr68
Synonyms:	1700012F10Rik; 2610037L01Rik; C86529; HAN11; Wdr68
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC048165
 CCGGCCGAGTGTGAGTGTGTGTAGCCGAGGACCCGCTGGAGGGCTAGGCCGTTCTTGACCGCCCCGGCCC
 CGCCTCCCCTCGGACCCGCGGACCCAAGCCGGGTCCCGCCTGTCTTGTGCCCCAGCCGCTGCCTCTC
 TGGCCGGCTCTGCGGCCAGCCGCCACCATGTCCCTGCACGGCAAACGGAAGGAGATCTACAAATATGAA
 GCGCCCTGGACTGTGTACGCCATGAACTGGAGCGTGCAGCCGGACAAGCGCTTTCGCTGGCGCTGGGCA
 GCTTCGTGGAAGAGTACAACAACAAGGTTCACTTGTGGTTTAGATGAGGAGAGTTCAGAGTTTATTTG
 CCGAAACACCTTTGACCACCCGTACCCTACCACAAAGCTCATGTGGATTCTGACACAAAGGGCGTCTAT
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 AGTGCTTGCTAAACAACAACAAGAAGTCAAGCTTCTGTGCTCCCTGACCTCCTTTGACTGGAACGAGGT
 GGATCCTTATCTTAGGTACCTCAAGCATTGACACAACGTGCACCATCTGGGGACTAGAGACCGGGCAA
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 ACATCGCCTTCAGCCGCGCTGGAGGGGGCAGGGACATGTTTGCCTCTGTGGGCGCTGATGGTCTGTGAG
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 TTGTACCTTCTCTTCCCTCAGTGCCTGCAGTGGTACTGGACCTAGACCCACGAGCAGTTTGCTT



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TCCTGAGTCACTGCCTGTGGGGCACAGCCCTGACCCCTGACCGGGAGTTGACAACTGCGCTGGTGTCTG
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CGGAGAGCCCTTCTGGCAGCAGCGTGTGCTGGTGGTAAATTTAGGTTTGGGTATCCCGTGACAGT
GCATGATGACACTGTTTGGAGACAGGTTCTTTCTTGTAGACCAGGCTATCCTTGAAGTGTGCTGGGAG
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AACCATTTCTCCTTTATAAATATATTTTACAGGGCTGATTGTATACAGGGCTTATAATAAAAATTTAA

CACTGTGTTGTCAACGAGCTGCGGTTTCTCCACTGGAGGTGACTTCAAAAGCACCTGAGGGTGGAGTGTC
CCTTCTGTGACCTTACTTCCTAGTACGTGAAGTCTAATCTCAGTTTTGCCTGTTTCAGCCTCCTGTATA
AGAAGTATCATATTTTCTGCCCATCATACTTTGTAATAAAACTTGAACATGTATAGATTGAAAAAAAAA AAAAAAA

Restriction Sites: EcoRI-NotI

ACCN: BC048165

Insert Size: 1026 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: [BC048165](#), [AAH48165](#)

RefSeq Size: 5678 bp

RefSeq ORF: 1026 bp

Locus ID: 71833

Cytogenetics: 11 E1

Gene Summary: Involved in craniofacial development. Acts upstream of the EDN1 pathway and is required for formation of the upper jaw equivalent, the palatoquadrate. The activity required for EDN1 pathway function differs between the first and second arches. Associates with DIAPH1 and controls GLI1 transcriptional activity. Could be involved in skin development. May function as a substrate receptor for CUL4-DDB1 E3 ubiquitin-protein ligase complex (By similarity). [UniProtKB/Swiss-Prot Function]