

Product datasheet for **MC217878**

Wdr34 (NM_001008498) Mouse Untagged Clone

Product data:

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|--------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Wdr34 (NM_001008498) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Wdr34 |
| Synonyms: | 3200002I06Rik |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >MC217878 representing NM_001008498
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAATGTGCGCGTCGCCAGGCCTTTTCGGCGCGTTGGAAGCGCTGGAGCTGCTGCCCTGGCTGCTG
 GCGGGGCTGGCGGCGCCGAACGCGGAGGGCGCCCTGCGCCTTTCAGGATGAGACCCTGGGCGTGGCGTC
 CGTGCCCTCGCAGTGGAGGAGCGTCCAGGGGATCCGCGGGGAGACGAAAAGTTGCCAGACAGCGGCATT
 GCCACAGCCGAGTCGTCTGCCAGGCCCGGACACATGCAGATGCCAGGTACAGACAGAGGCTCCCGAAG
 AGCCAGCGGCCATGGCTCCTGTTTCCCAGTATGACACCCTCAGGCTGGAAGCCTTTCTCCGAGGGTGGAA
 GGCCATGGTCATCCGGGAGCTGAACAACAACGGCAGAGTCATGCCTTCGATGGCTATGAGGTGAAGTGG
 ACTGAGCAGCAGCAGACGGTGTCTGTGCACACCCTGGTCTACCCCTAGCCCAAGGGCAGGGTCTGC
 ATGTGACCGGCATTTCTGGAAGTGCAGAGGCTCTGTGCTGGCCTGTGCCTATGGTCGGTAGATGATGG
 AGACTGGAGTACACTCAAGTCTACGTGTGACTTGGAACTGGACCGCCAAGGCCTGAATCCCCAGCAG
 CCATCAGTAGTGGTGGAGGTGCCGAGTGTGCATGTGCCTGGCCTTTCATCCACACAGCCCTCCACAA
 TTGCCGGGGGGTGTATAGCGGGGAAGTGTGGTGTGGGACATGAGCCGACCTGAGGACCCACTGCTTTG
 GCGTACAGGTCTGACAGATGACACTCACACAGACCCAGTGTATCAGGTGCTGTGGTTACCTGAACCCCGG
 CATAGCCACCGCTTCCAGGACTGAGTGCGCCACAGATGGCAAGGTGTTGCTCTGGAGAGGCAGTGGGG
 CCGGTCAGCTGCGGCTCACCAAGGGCTTGGCCCTGGCTGTGCAGCAGTGCCTCGGAGCACCAAGCTGAA
 GAAGCCACCCCGTGGAGAGACTGAGGTGGGGGTGACATCAGTGGCCTTCTCCAGCTTTGACTCCAGCCTT
 TTCGTTCTGGGCACAGAAGGTGGCTTCCCCTCAAGTGTCCCTGGCGTCAGAGGTAGCTGCTCTCACTC
 GGATGCCAGCTCTGTGCCCTGAGGGCCCGGTGCAGTTCACCTTCTCTCCCATGGTGGCCCGGTGTA
 TTCTGTGAGCTGTTCCCCTTTCACAGGAATCTTCTCCTGAGCGCTGGGACCGATGGCCACGTCCACCTG
 TACTCCATGCTGCAGGCTCAGCCCTTACCTCACTGCAGCTCTCTCACAAGTACCTGTTTGTGTGCGCT
 GGTCCCCTGTGCGCCCTTGTTTGTGCTGCTGCTTCCAGGGGAAGGTGATGTACAACCTTTTGGACCTCCA
 GAAAAGCTCACAGAAACCCACAGTTTCTATAACACAAACCAAGATGGAAGTCTGTCTACTGTCTCGAG
 TTTAACAGCCAGCAGACACAGCTTTAGCCGCTGGTGTGCTAAGGGCATGGTCAAAGTGTGGCAGCTGA
 GCACAGCCTTACAGAACAGGGCCCGGGAGGTGGAGGACTGGATCAGCTAGAAGCAGAAATCACTAC
CTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001008498

Insert Size: 1614 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: [NM_001008498.2](#), [NP_001008498.2](#)

RefSeq Size: 1812 bp

RefSeq ORF: 1614 bp

Locus ID: 71820

UniProt ID: [Q5U4F6](#)

Cytogenetics: 2 B

Gene Summary: Critical for ciliary functions, essential to normal development and survival, most probably as a previously unrecognized component of the mammalian dynein-motor-based intraflagellar transport (IFT) machinery. Acts as a negative regulator of the Toll-like and IL-1R receptor signaling pathways. Inhibits the MAP3K7-induced NF-kappa-B activation pathway. Inhibits MAP3K7 phosphorylation at 'Thr-184' and 'Thr-187' upon Il-1 beta stimulation (By similarity). [UniProtKB/Swiss-Prot Function]