

Product datasheet for **MC223848**

Wdr35 (NM_172470) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Wdr35 (NM_172470) Mouse Untagged Clone
Tag: Tag Free
Symbol: Wdr35
Synonyms: 4930459M12Rik; 4931430C06; mKIAA1336
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223848 representing NM_172470
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGC**C

ATGTTCTTCTACCTGAGCAAGAAAATTGCTGTTCCAATAATGTGAAGCTGAAATGTATATCCTGGAACA
 AGGACCAAGGGTTCATAGCATGTGGCGGTGAGGATGGATTACTGAAAGTTTTAAGACTCGAGACACAGAC
 AGTAGACTCAAAGCTGAGGGTCTAGCCGCCCTAGTAACCTTTCCATGAACCAAAATCTTGAAGGTCAT
 AGTGGTCTGTTCAAGTTGTAACGTGGAATGAACAGTATCAGAAGTTGACTACCAAGTATCAAAAATGGGC
 TTATCATTGTCTGGATGCTGTATAAAGGCTCTTGGTATGAGGAGATGATCAACAATCGCAACAAGTCTGT
 GGTTCCAAGCATGAGCTGGAATGCGGACGGACAGAAGATCTGCATTGTGTACGAAGATGGAGCTGTGATC
 GTCGGCTCAGTAGACGGGAATCGGATTTGGGGAAAGACCTGAAGGGAATTCAGCTGTGCCATGTGACCT
 GGTCTGCAGATAGTAAAATCCTACTTTTTGGAATGGCAAATGGAGAAATACACATTTATGATAATCAAGG
 AAATTTTATAATGAAAATGAAGCTGAATTGCTTGGTGAACGCTACTGGAGCGATCAGTATCGCTGGGATT
 CACTGGTACCATGGCACCGAAGGCTACGTGGAGCCGATTGCCCTTGCCTGGCAATTTGCTTTGACAATG
 GGAGATGCCAAATAATGCGGCATGAGAATGACCAAACCCGGTTTTGATCGACACGGGCATGTATGTGT
 AGGCATCCAGTGAACCACATCGGCAGTGTGTTAGCTGTGGCCGGCTCCAGAAGGTAGTCACTACAGGAC
 AAGGACATCAACATCGTGCAGTTCTACACACCGTTCGGTGAGCATCTGGGTACTTTGAAAGTTCCAGGAA
 AGCAGATGTGTTGCTGTCTTGGGAAGGAGCGGACTGAAGATTGCTCTAGCTGTTGACTCCTTTATATA
 TTTTGCAAATATTCGACCTGATTATAAGTGGGGCTACTGTTCCAACACAGTGGTTTATGCGTACACCAGA
 CCCGATCGTCCGAATACTGTGTTGTGTTCTGGGACACAAAAACAGTGAGAAATACGTTAAATATGTGA
 AGAGCCTCATTCTATCACCACGTGTGGAGATTTCTGCATTTGGCTACAAAAGCTGATGAGAATCACCC
 TCAGGAGGAGAATGAAATGGAGACATTTGGTGAACGTTTGTGCTTGTCTTTGCAATTTCTATTGGCACA
 CCCTTGGACCCTAAATACATTGATCTTGTACCATTATTTGTTGCAATGACCAAACCCATGTGATAGCAG
 CTTCAAAGAAGCATTTTATACCTGGCAATATCGTGTGCAAAAGAAGCTCACAGCACTGGAAATTAATCA
 GATCACACGGTCTCGAAAAGAAGGAAGAAAGAAATTTATCACGTTGATGATGTCCCTTCCGGATCTGTG
 GATGGGTGTTTGATTACAGTAAAGCCATTCAAGGTACAAGGGATCCAATTTGTGCCATTACTGCATCTG



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ATAAGACATTGATTGTGGGGCGTGAATCTGGCGTCATTACAGAGGTACAGCTTTCCTAATGTTGCTCTGAT
TCAAAAAGTATTCCTGGATTGCCGTGCCTGCCAGTTATCTCTGAACTGCAACTCCAGTCGTCTTGCTATC
ATCGACATCGCTGGAGTCTTGACTTTCTTTGACTTGGACACTCGGGTGACCGACAGTACAGGGCAGCAGG
TCGTTGGCGAGTTGCTAAAACGGAGCGCAAAGACGTCTGGGATATGAAGTGGGCCAAGGACAATCTGA
TTTGTGTCATGATGGAGAAGACGAGAATGTATGTTTTAGAAAACCTGGATCCTGAGGAACCCATTGAG
ACCTCTGGATATATTTGCAACTTTGAGGATTTGGAAATTAAGTCTGTTCTCTTGGATGAGATACTGAAGG
ACCCAGACACCCTAGCAAGGATTACATAAATGAACCTTTGAGATCCGGTCCCTGCGAGACAGCCGAGCATT
GATTGAGAAAAGTTGGAATTGAAGATGCGTCTCAGTTTATAGAGGACAACCCACACCCCGACTTTGGCGC
CTGCTGGCTGAAGCTGCTCTCCAGAAGCTGGACCTGTACACCGCACAGCAAGCGTTTGTGCGCTGCAAGG
ATTACCAAGGCATCAAGTTTGTGAAGCTCCTGGCAATCTGCAGAGCGAGTCAATGAAGCAGGCTGAAGT
TATTGCCTACTTTGGCAGGTTGGAAGATGCCGAAAGGATGTATCAAGATATGGACAGACGGGACCTCGCT
ATTGGTCTCAGAAATGAAATTGGGGACTGGTTCAGAGTACTGCAGCTCCTGAAAACCTGGATCTGGTGATG
CAGACGACAGTCTCCTGAACAAGCTAACAAATGCCATTGGAGAGTACTTTGCTGACCGACAGAAGTGGA
GAATGCTGTGCAATATTATGAAAAGGCAGGAACAGGAGCGCCTGGCCGAATGCTATTATGCTAGAA
GATTATGAGGGGTTAGAGACTCTTGCCAATCACTTCCAGAAAACCATAAGTTGCTTCCAGAAAATAGCCC
AGATGTTTGTGAGAGTTGGAATGTGTGAGCAAGCTGTGAGCGCATTCTTGAAGTGAACCAACCAAGGC
AGCGGTGGACACCTGTGTACACCTGAACCAATGGAACAAGCCGTCGAACTGGTAAAAGTCATAGTATG
AAGGAGATTGGATCTCTGTTAGCTAGGTACGCGTCCCATTACTGGAGAAGAACAAGACTCTCGATGCCA
TTGAACTCTATAGGAAAGCCAGCTACTTTTTGATGCAGCTAAACTGATGTATAAAGATTGCAGATGAAGA
GGCGAAGAAAAGGACCAAGCCCTGCGTGTGAAGAACTCTACGTGCTGTGCGCTCTGCTCATCGAGCAG
TATCACGAGCAGATGAAAACGCCAGCGCGGCAAAGTTAAAGGCAAGAACTCAGAGGCCACTTCTGCTT
TGGCTGGCTTGTGTAAGAGGAGGTTCTCTCACTAGTTCGTTTACAGATAACGCCCTGGAGAGGAGC
GGAGCCCTACCATTTCTTATACTCGCGCAGCGCAGCTCTACGAGGGCTACGTTGACTGACTGATTGAG
ACAGCTCTTACCTGAGAGACTATGAAGACATCATTCCCTCAGTTGAGATCTACTCTGTTAGCACTCT
GTGCGTGTGCAAGCAGAGCTTTTGTACCTGTTCAAAAAGCTTTTATTAAGTGAATCTTTAGAGACGCT
CAGTGCAGAGCAGAAGCAGCAATATGAAGACCTGGCTCTGAAAATCTTACCAAAACACACGCCAAAAGAC
AACAGGAAGTCTGAATTAACAGCCTTCTTGAAGGCGGGGAAGGCAAACCTGCCGACCTGTATCGCCACTG
GCAGCCCAATCATCGAGTATCAGTTCTGGGTGTGCAAAGTCTGCAAGCACTACGTCCTCGCCAGGAGAT
CAGCAACTACAACCTTTGCCCTTATGCCACAGCTCGGTAGAA TAA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-RsrII
- ACCN:** NM_172470
- Insert Size:** 3546 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_172470.3](#), [NP_766058.3](#)

RefSeq Size: 4409 bp

RefSeq ORF: 3546 bp

Locus ID: 74682

UniProt ID: [Q8BND3](#)

Cytogenetics: 12 A1.1

Gene Summary: As a component of the IFT complex A (IFT-A), a complex required for retrograde ciliary transport and entry into cilia of G protein-coupled receptors (GPCRs), it is involved in ciliogenesis and ciliary protein trafficking (PubMed:21473986). May promote CASP3 activation and TNF-stimulated apoptosis (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).