

## Product datasheet for **MC223831**

### Wdr35 (NM\_001159527) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Wdr35 (NM\_001159527) 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:** >MC223831 representing NM\_001159527  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGTTCTTCTACCTGAGCAAGAAAATTGCTGTTCCAATAATGTGAAGCTGAAATGTATATCCTGGAACA  
AGGACCAAGGGTTCATAGCATGTGGCGGTGAGGATGGATTACTGAAAGTTTTAAGACTCGAGACACAGAC  
AGTAGACTCAAAGCTGAGGGTCTAGCCGCCCTAGTAACCTTCCATGAACCAAAATCTTGAAGGTCAT  
AGTGGTCTGTTCAAGTTGTAACGTGGAATGAACAGTATCAGAAGTTGACTACCAAGTATCAAAAATGGGC  
TTATCATTGTCTGGATGCTGTATAAAGGCTCTTGGTATGAGGAGATGATCAACAATCGCAACAAGTCTGT  
GGTTCGAAGCATGAGCTGGAATGCGGACGGACAGAAGATCTGCATTGTGTACGAAGATGGAGCTGTGATC  
GTCGGCTCAGTAGACGGGAATCGGATTTGGGGAAAGACCTGAAGGGAATTCAGCTGTGCCATGTGACCT  
GGTCTGCAGATAGTAAAATCCTACTTTTTGGAATGGCAAATGGAGAAATACACATTTATGATAATCAAGG  
AAATTTTATAATGAAAATGAAGCTGAATTGCTTGGTGAACGCTCACTGGAGCGATCAGTATCGCTGGGATT  
CACTGGTACCATGGCACCGAAGGCTACGTGGAGCCGATTGCCCTTGCCTGGCAATTTGCTTTGACAATG  
GGAGATGCCAAATAATGCGGCATGAGAATGACCAAACCCGGTTTTGATCGACACGGGCATGTATGTGGT  
AGGCATCCAGTGAACCACATCGGCAGTGTGTTAGCTGTGGCCGGCTCCAGAAGGTAGTCACTACAGGAC  
AAGGACATCAACATCGTGCAGTTCTACACACCGTTCGGTGAGCATCTGGGTACTTTGAAAAGTTCAGGAA  
AGCAGATGTGTTGCTGTCTTGGGAAGGAGCGGACTGAAGATTGCTCTAGCTGTTGACTCCTTTATATA  
TTTTGCAAATATTCGACCTGATTATAAGTGGGGCTACTGTTCCAACACAGTGGTTATGCGTACACCAGA  
CCCATCGTCCCGAATACTGTGTTGTGTTCTGGGACACAAAAACAGTGAGAAATACGTTAAATATGTGA  
AGAGCCTCATTCTATCACCACGTGTGGAGATTTCTGCATTTGGCTACAAAAGCTGATGAGAATCACCC  
TCAGTTTGTGCTTGTCTTTGCAATTCTATTGGCACACCCTTGGACCCTAAATACATTGATCTTGTACCA  
TTATTTGTTGCAATGACCAAACCCATGTGATAGCAGCTTCAAAGAAGCATTATACCTGGCAATATC  
GTGTGGCAAAGAAGCTCACAGCACTGGAATAATCAGATCACACGGTCTCGAAAAGAAGGAAGGAAAG  
AATTTATCACGTTGATGATGTCCCTCCGGATCTGTGGATGGGGTGTGTTGATTACAGTAAGCCATTCAA  
GGTACAAGGGATCCAATTTGTGCCATTACTGCATCTGATAAGACATTGATTGTGGGGCGTGAATCTGGCC



TCATTCAGAGGTACAGCTTTCCTAATGTTGCTCTGATTCAAAGTATTCCTGGATTGCCGTGCCTGCCA  
 GTTATCTCTGAACTGCAACTCCAGTCGTCTTGCTATCATCGACATCGCTGGAGTCTTGACTTTCTTTGAC  
 TTGGACTCGGGTGACCGACAGTACAGGGCAGCAGGTCGTTGGCGAGTTGCTAAAAGTGGAGCGCAAAG  
 ACGTCTGGGATATGAAGTGGGCCAAGGACAATCCTGATTTGTTGCAATGATGGAGAAGACGAGAATGTA  
 TGTTTTAGAACTTGGATCCTGAGGAACCCATTCAGACCTCTGGATATATTTGCAACTTTGAGGATTTG  
 GAAATTAAGTCTGTTCTCTGGATGAGATACTGAAGGACCCAGAGCACCCTAGCAAGGATTACATAATGA  
 ACTTTGAGATCCGGTCCCTGCGAGACAGCCGAGCATTGATTGAGAAAAGTTGGAATTGAAGATGCGTCTCA  
 GTTCATAGAGGACAACCCACACCCCGACTTTGGCGCCTGCTGGCTGAAGCTGCTCTCCAGAAGCTGGAC  
 CTGTACACCGCACAGCAAGCGTTTGTGCGCTGCAAGGATTACCAAGGCATCAAGTTTGTGAAGCTCCTGG  
 GCAATCTGCAGAGCGAGTCAATGAAGCAGGCTGAAGTTATTGCCTACTTTGGCAGGTTTCAAGATGCCGA  
 AAGGATGTATCAAGATATGGACAGACGGGACCTCGCTATTGGTCTCAGAATGAAATGGGGGACTGGTTC  
 AGAGTACTGCAGCTCCTGAAAAGTGGATCTGGTATGCAGACGACAGTCTCCTTGAACAAGCTAACAAATG  
 CCATTGGAGAGTACTTTGCTGACCGACAGAAGTGGCAGAATGCTGTGCAATATTATGTAAGGACAGGAA  
 CCAGGAGCGCCTGGCCGAATGCTATTATGCTAGAAGATTATGAGGGGTTAGAGACTCTTGCCAATTCA  
 CTTCCAGAAAACCATAAGTTGCTTCCAGAAAATAGCCAGATGTTTGTGAGAGTTGGAATGTGTGAGCAAG  
 CTGTGAGCGCATTCTTGAAGTGTAAACCAACAAAGGCAGCGGTGGACACCTGTGTACACCTGAACCAATG  
 GAACAAAGCCGTGCAACTGGCTAAAAGTCATAGTATGAAGGAGATTGGATCTCTGTTAGCTAGGTACGCG  
 TCCCATTTACTGGAGAAGAACAAGACTCTCGATGCCATTGAACTCTATAGGAAAGCCAGCTACTTTTTTG  
 ATGCAGCTAAACTGATGTATAAGATTGCAGATGAAGAGGCGAAGAAAAGGACCAAGCCCTGCGTGTGAA  
 GAAACTCTACGTGCTGTCGGCTCTGCTCATCGAGCAGTATCACGAGCAGATGAAAAACGCCAGCGCGGC  
 AAAGTTAAAGGCAAGAAGTACAGAGGCCACTTCTGCTTTGGCTGGCTTGTGTAAGAGGAGGTTCTCTCTA  
 CAACTAGTCGGTTCACAGATAACGCCTGGAGAGGAGCGGAGGCCTACCATTTCTTATACTCGCGCAGCC  
 GCAGCTACGAGGGCTACGTTGACACTGCATTGAAGACAGCTTTCACCTGAGAGACTATGAAGACATC  
 ATCCCTCAGTTGAGATCTACTCTGTTAGCACTCTGTGCGTGTGCAAGCAGAGCTTTTGGTACCTGTT  
 CAAAAGCTTTTATTAAGTGAATCTTTAGAGACGCTCAGTGCAGAGCAGAAGCAGCAATATGAAGACCT  
 GGCTCTGGAAATCTTACCAAACACACGCCAAAAGACAACAGGAAGTCTGAATTAACAGCCTTCTTGAA  
 GGCGGGGAAGGCAAAGTCCGACCTGTATCGCCACTGGCAGCCCAATCATCGAGTATCAGTTCTGGGTGT  
 GCAAAGCTGCAAGCACTACGTCTCGCCAGGAGATCAGCAACTACAACCTTTGCCCTTATGCCACAG  
 CTCGGTAGAATAA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-RsrII
- ACCN:** NM\_001159527
- Insert Size:** 3513 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\\_001159527.1](#), [NP\\_001152999.1](#)

**RefSeq Size:** 4376 bp

**RefSeq ORF:** 3513 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 (2) lacks an in-frame exon in the coding region, as compared to variant 1. The encoded isoform (2) thus lacks an internal segment, as compared to isoform 1.