

Product datasheet for **MC220036**

Wdr26 (NM_145514) Mouse Untagged Clone

Product data:

| | |
|--------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Wdr26 (NM_145514) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Wdr26 |
| Synonyms: | 1600024A01Rik; AA693241; AI447817; AU044014; C77982; Gid7 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



[View online »](#)

Fully Sequenced ORF: >MC220036 representing NM_145514
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGGCCAACGGGGCGGGAGGAGGCGGCGGGGGCGGGGGCCAGGGCCAGACCCCGAGCTCG
 CCTGCCTGTCGGCGCAGAACGGGGAGTCGTCCCTTCGGCGACGTCGCGGGGGACCTGGCCACGCCAA
 CGGGCTCCTGCCTGCCGCCCTCCGCCCTGGCAACAATAGCAACAGCCTGAGTGTCAATAACGGGGTT
 CCCGGCGGGGCCCGCGGCTCCGCCACCGCCGCCCGCCAGGCCACCCCGAGCTGGGCAGCAGCC
 TCAAGAAGAAGAAGCGGCTCTCGCAGTCCGATGAGGATGTCATTAGGCTCATAGGACAGCACCTCAATGG
 CCTAGGGCTCAACCAGACTGTTGATCTCCTCATGCAAGAGTCAGGATGTCGTTTAGAGCATCCTTCTGCT
 ACCAAATCCGAAATCATGTCATGGAAGGAGACTGGGATAAGGCAGAGAATGACCTGAATGAGCTAAAGC
 CTTTAGTGCATTCTCCTCAGCTATTGTGGTAAGAGGCGCACTTCAAATCTCTCAAACGTTGTTGGGAAT
 AATTGTGAGGATGAAGTTCTGCTGCTGCAGCAGAAGTACCTGGAATACCTGGAGGACGGCAAGGTCCTG
 GAGGCACTTCAAGTTCTACGCTGCGAACTGACGCCGTTGAAATACAACACCGAGCGCATCCATGTCTTA
 GTGGGTATCTGATGTGCAGCCATGCCGAAGACCTACGGGCAAAAGCTGAATGGGAAGGCAAGGGCACAGC
 GTCCCGGTCCAACTGCTGGACAAGCTTCAGACCTATTTACCACCATCAGTATGCTTCCCCACGGCGT
 TTACAGACTCTCCTGCGGCAGGCGGTGGAATACAAAGGGATCGGTGCCTATATCACAATACCAAATTTG
 ACAATAATCTAGATTCTGTGCTCTACTTATAGATCATGTTTGTAGTAGGAGGAGTTTCCCTGTTACAC
 TCAACAGATACTACAGAGCATTGTAATGAAGTGTGGTTCTGTAAATTTCTAATGATGGCACTAAACTA
 GCAACAGGATCAAAGGATACCACAGTTATCATATGGCAAGTTGATCCGGATACGCACCTGTTAAAACCTGC
 TTAACACGTTAGAAGGACATGCGTATGGTGTCTTTATATAGCATGGAGTCCAGATGACAGCTATCTTGT
 TGCTTGTGGTCCAGATGACTGCTCTGAGCTTTGGCTTTGGAATGTACAGACGGGAGAATTAAGAACAAAA
 ATGAGCCAATCTCATGAAGACAGTTTGACCAGTGTGGCCTGGAATCCAGATGGGAAACGCTTTGTGACGG
 GAGGTCAGCGTGGTCAGTTTACCAGTGTGACCTGGACGGAAATCTTCTGGACTCCTGGGAAGGAGTGCG
 AGTACAGTGCCTGTGGTCTTGTGAGTGACGGGAAGACTGTGCTGGCTTCCGACACGCACCAGAGAGTCCGG
 GGCTACAACCTTTGAGGACCTGACAGATAGAAACATAGTACAGGAAGATCATCCTATTATGTCATTTACTA
 TTTCCAAAATGGCCGATTAGCTTTGTTAAATGTAGCAACTCAGGGAGTTCATTTATGGGACTTGAAGA
 CAGAGTTTTAGTAAGGAAATATCAAGGTGTACCAAGGGTTTTATACAATCCACTCGTGTTTTGGAGGC
 CATAATGAAGACTTCATTGCTAGTGGCAGCGAAGATCACAAAGTTTACATCTGGCACAAACGTAGTGAAC
 TGCCAATTTGCGGAGCTCACAGGGCACACGCGCACAGTAAATTGTGTTAGCTGGAACCCACAGATTCCATC
 CATGATGGCCAGTGCCTCAGACGATGGCACTGTTAGAATATGGGGACCAGCACCTTTCATAGACCACCAG
 AATATTGAAGAGGAATGCAGTAGCATGGATAGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_145514
- Insert Size:** 1926 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_145514.5](#), [NP_663489.4](#)

RefSeq Size: 7063 bp

RefSeq ORF: 1926 bp

Locus ID: 226757

UniProt ID: [Q8C6G8](#)

Cytogenetics: 1 H4

Gene Summary: G-beta-like protein involved in cell signal transduction. Acts as a negative regulator in MAPK signaling pathway. Functions as a scaffolding protein to promote G beta:gamma-mediated PLCB2 plasma membrane translocation and subsequent activation in leukocytes. Core component of the CTLH E3 ubiquitin-protein ligase complex that selectively accepts ubiquitin from UBE2H and mediates ubiquitination and subsequent proteasomal degradation of the transcription factor HBP1 (By similarity). Acts as a negative regulator of the canonical Wnt signaling pathway through preventing ubiquitination of beta-catenin CTNNB1 by the beta-catenin destruction complex, thus negatively regulating CTNNB1 degradation. Serves as a scaffold to coordinate PI3K/AKT pathway-driven cell growth and migration. Protects cells from oxidative stress-induced apoptosis via the down-regulation of AP-1 transcriptional activity as well as by inhibiting cytochrome c release from mitochondria (By similarity). Protects also cells by promoting hypoxia-mediated autophagy and mitophagy (By similarity). [UniProtKB/Swiss-Prot Function]