

Product datasheet for **MC223635**

Wdr72 (NM_001033500) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Wdr72 (NM_001033500) Mouse Untagged Clone
Tag: Tag Free
Symbol: Wdr72
Synonyms: AW558070; D230040E23
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223635 representing NM_001033500
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGGGGTGCTCTGCAGGCTGTGGCCCTCTGGGAAGAAAAGCTCCTCCCCACAGCATCACGGCCATCA
 TGATCACAGATGACCAGCAAACCATAGTACTGGAAGTCAGGAGGGTCAGCTCTGCCTCTGGAGCCTCTC
 ACCTGAAGTGAAGATTTAGCTAAAGAAGTCTTTTTGGTCATTGGCTTCGGTGACATGTTTGGCAAGA
 GCGAGAGACTTCTCCAAACAGCCTTACGTTGTGAGTGTCTGAGAAATGGGGAGATGTGTATGTGGAATG
 TGAGCAGCGGCCAGTGTGTGGAGAAGACCAGCCTTCTTACAGGCACACAGCCATCTGTTACTACCACTG
 CTCCTTCCGGATGACTGGAGAGGGCTGGCTGTGTGTGGGAATATCAAGATGTTCTCGTCCTTGAT
 GCTGGAAGTCTGGCTGTCTGCATACCTTACCTCTTTACAGTCGCCGACTGGATGAAATGCATGTGCA
 TCGTTCACTCCGTGAGAATCAAGAAGATTCTCTTGGTTGTGCCATAACCGGCGAACTCAAAGTATG
 GGACCTCTCCTCGTCCATCAACAGCATTACAGAAAAGCAAGATGTCCATGAAAAAGAAATCCAAGTTTCTT
 GACTCCTTCAACTGTGAGACCATACGGTTTTGTCCGTACACGGAGAGACTCCTGTTGGTGGTGTCTTA
 AGTGTGGAAAGATTTATGACTATTGTGACTTTTCCCTTCTGTGGACTGAAGTTAGTAGAGATGGACAAT
 CTTTGTGGTGGAGAGGTGCTTGTGCTGCCACAGGATCCTTGTGGTGGACAGAAGATGGTCACAGTTATATC
 TATCAGCTGTGAACAGGTGGGCTCAGATGGGAGCGACGCTCAGAACATTCAGTGGGCTTTCCAAATGCG
 TGTGCCCTGCCGACGGAGGTGTCTGAAGGGGACTGTCTACCCTCACTTACTCTGCTCCACTTCTGTGGA
 GGAAAATAAGAGCCTGCATTTCTCATGGGCTACATGAATGAACGGAAAGAGCCATTTTACAAGGTGCTT
 TTCTCAGGAGAAGTCTCGGGGAGAATAACGTTGTGGCATATCCAGATGTCCCCATATCTAAGTTTGACG
 GTTCCCCTAGAGAAATACCAATAACTACCCTGGACTCTTCCAGGATAACTTCGATAAGCATCAAATGGT
 GTCACAGAGCATCACAGACCATTTCTCTGGTCCAGAGATGAGGTGGGAATGACAGCTACCATCACCTCA
 TCAGAGTACATTCAAATCTTGATAAACTCATCTGTGGCTGTGAGGATGGGACCATTTTCATCACTAAGG
 CATTGAATGCTGCAAAGCTGGACTTCTAGAAGGGGATCTTTATTGAAAGATTCTCCGTGCCACACCTT
 TCTCAGAGGCCATCACAGAGTGTGACTTCATTAATTTACCCTCACAAATCTTGCTTCAAAGTTAGACCAA
 AGTTGGATGGTGTCTGGGATCGAGGCTCCTATGTGATCCTCTGGGATATTTTTACTGAGGAAATTTCTGC



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ACACGTTCTTTTTGGAAGCTGGTCCAGTAAACAAGACTATTGATGTCACCAGAGAAGCTTAAAGCGAAGTGA
 TGGTCAGATCCTCTGCTGTGTGTGGTGACCATTCCGTGGCTCTCCTTCACCTGGAAGGGAGACGGTGC
 CTCTTGCCTGCCCGAAGCACCTTTCCCTGTGAGGATGATCAGATGGCATCCAGTCGAGAACTTTCTCA
 TTGTTGGTTGTACAGATGACTCGGTCTACATCTGGGAAATTGAAACAGGCACTTTGGAAAGGCATGAGAC
 AGGAGAAAAGCAAGGATTATTTCAACTGTGGTGACGATGCTCAGCTCATTAGATCTGAGCCTACACTG
 TCAGTGGCCTCTGAGACACATAAGCACAAAAGTATAGAGCAGAAGTCATCCAACCTCCACCAGCCTGGCC
 CAGTACCCTGCCAGTGTGCAGCTGGAGTCTTCATGTAAGTTGCTGATGCTTTCATCGGTCCCAAGACC
 TTTCAATGTCCTGCCTGTGAAAACAAAATGGAGTCACATTGGTTTCCATGTTCTCCTGTTTGATCTGGAA
 AATCTTGTGAACTACTGCTGCCACTCCCTAAGTGATGTTGACCCCTTCTGGCTCATTCTATGGAGGTG
 ACATCTTGAGGAGAGCCAAGAGCACAGTAGAGAAGAAGACCCTGACAATAAGAAGAAAACAAAGCATCGTG
 TAGCTCTCTCCAGACAGAGGCACAGGCCAAGCCAGTGGGGACAGCCTGGTCTTGGGGACAGCACCAGT
 AAGTTCTCAGAGGAGAACAATGGTATTAAGACAGAAGAAAATGAAGAGCTCCAAAAGGCGCATCCTA
 AGCCACCAGGAAGGTGGATGCCAGCCTACAATAGACATGGCGAAATTGTTTCTGTCTTGTATTTTGGC
 ATGGGGAGTGGATAAAGATTTGGACAGCCTCTGCACCAGGCATCTCAGTATCTTAAAGCTGCAGGGCCCC
 GTGTCTTTGGGACTTGCCTCGAATGAAGACCTCTTCTCCCTGATGCTGCCTGGTGGGATGCATGCAGTA
 CTGAAATGAAGGAGTATTCAGGGTAAATCTGTGCTCCAGAAAAGTTTGGACTTGTCAAGTAAATACAC
 AGCCACTTCTGCACCAGACTGGAATCCCGAGGCCTGAAAAGTCACTGTGACTCTGTGCAGCAATCA
 GATGCTATTGTGATTTACTGAGCAGACTCTTTTGTAGTTAATAAGTTAGTTAACATGCCTTTGGATCTGG
 CCTGTGAAATCGACAGACCCTTCAAATGGAGACTGTACACAGCAAGGCAAGATTCCTGGAAAGTGACAT
 CTTGAATATCAAGCTTCTATGGTCACCAAAAAATGGTGGAAATGAGTGTCCGCGCACCTGAGGCTGAC
 CTCTCACTTTTGAAGCTAATCTCGTGTGGAGAGATCAGTCTGTCCAGGTAAGCAATACAAGCTG
 TCCTCTTGGCTGAAGTTCAACAGCATATGAAGAGTCTGAGAAAACACCAGTCAGTAGTCAACCAGATCC
 AGTGGCAGAGCATAGCATCTGTGAGAGGATGCAGATCTCAGCCAAGATGGAGTGGACTGAAGAATTAGAG
 CTGCAATATGTGGGAAGTCTTACCTCTGAAAACCTCAGTCAGTCCGGTCAAGCATGGCAACGACTTGA
 ACTCGGCAAACTTCCAAGATACAGAGGACATTCTTACAGATGTGTCTTGAAGAGTCCGAGAGTGCAGG
 TCAGCCAAGGCATCGTCCATGGATAGCGAAGGTGTCTCTGCAGGATGTGCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001033500
- Insert Size:** 3345 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_001033500.3](#), [NP_001028672.2](#)

RefSeq Size: 5234 bp

RefSeq ORF: 3345 bp

Locus ID: 546144

UniProt ID: [D3YYM4](#)

Cytogenetics: 9 D

Gene Summary: Plays a major role in formation of tooth enamel (PubMed:25008349, PubMed:26247047). Specifically required during the maturation phase of amelogenesis for normal formation of the enamel matrix and clearance of enamel proteins (PubMed:25008349, PubMed:26247047). May be involved in localization of the calcium transporter SLC24A4 to the ameloblast cell membrane (PubMed:26247047).[UniProtKB/Swiss-Prot Function]