

Product datasheet for **MG223110**

Wdr70 (NM_001081402) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Wdr70 (NM_001081402) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Wdr70 |
| Synonyms: | 4833422F06Rik |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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ORF Nucleotide Sequence:

>MG223110 representing NM_001081402
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGCACTCGGAACAGCAAGTGACAGGCGCAGACACGGCGGGACCCGACCCTCAGCTGGCGGTCA
 CCATGGGCTTCACAGATTTCGGGAAGAAAGCTCGCACATTTGACTTGGAGGCCATGTTTCGAGCAAACCTG
 AAGGACAGCGGTGAAAGAAGCCGGAACACTGGAAGCAAGAGAAAAAGAGGAAGAAATGAACAGAGAA
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 CACAGTCAATGCAGGGACACAAGCAGCAGTGACAGTGAGAGTGACGACAGTTCTGATTCATCTGACGA
 TGAGCTAATCGGCCCTCCTTTACCCCTAAAATGGTAGGAGAATCCGTAACACTACTGTGGACGAAGGCACC
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 GGTATTGACAGAGATGGTTTTGAAGTCATGGAGTGTATAAAGGGAGACCAGTATATCGTAGACATGGCC
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 CTATGAAATCCACATCACAGATGCGAGTGTGGTCCGCTGCCTGTGGCATCCAAAGCTGAACCAGATCATG
 GTTGGAACTGGAATGGACTGGCAAAAGTGTACTACGACCCCAACAAGAGTCAGAGGGGAGCAAACTAT
 GTGTGGTAAAACCCAGAGGAAGGCAAAACAAGCTGAGACACTAACCCAGGACTACATCATCACCCTCA
 TGCCTTGCCCATGTTCCGTGAGCCCGCCAGCGAAGTACGAGGAAACAGCTGGAGAAGGACAGACTGGAC
 CCCCTGAAGTCCACAAAACAGAGCCTCCTGTAGCAGGCCAGGTCGTGGTGGCCGAGTTGGAACCCACG
 GGGGCACCCTGTCTCTACATTGTGAAGAACATCGCTTTGGACAAGACCAGCAGACGAATCCCGGGGA
 AGCCATTTTGCGCCATGCCAAAGCAGCAGAAGATAACCCATATTGGGTTTCGCCAGCATATTCAAAAC
 CAGCAAAAACCATGTTTGCCCAAGTGGAGTCTGATGATGAAGAGTCAAAGAATGAACCAGAATGGAAAA
 AACGTAATAAT

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG223110 representing NM_001081402
 Red=Cloning site Green=Tags(s)

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MEHSGTSEVTGADTAGPDPQLAVTMGFTGFGKARTFDLEAMFEQTRRTAVERSRLTLEAREKEEEMNRE
KELRKQIEDMEPAPSSSSAARERSQSSCRDTSSSDSESDSDSDDELIGPPLPKMVGESVTTVDEGT
LGPLPPPLCEEGEDDDDELDEGEEDNPVQRIPDSHEITLRHGKTIVSALGLDPSGARLVGGYDYDVK
FWDFAGMDASFKAFRSLQPCECHQIKSLQYSNTGDMILVVSQSSQAKVIDRDGFVMECIKGDQYIVDMA
NTKGHTAMLHTGSWHPKIKGEFMTCSNDATVRLWEVENPKKQKSVFKPRTMQGKKVIPTTCTYSRDGNLV
AAACQNGSIQIWRNLTVHPKFHYKQAHDPGTDTSVAFSYDGNVLASRGDDTLKLDWVRFNKPLFSA
SDLPTLFPMTDCCFSPDDKLIIVTGTSVQRGCGSGKLVFLERRTFQRVYIEIHTDASVVRCLWHPKLNQIM
VGTGNGLAKVYYPNKSQRGAKLCVVKTRKAKQAETLTQDYIITPHALPMFREPRQRSTRKQLEKDRLD
PLKSHKPEPPVAGPGRGVRVGTGGTSSYIVKNIALDKTDDSNPREAILRHAKAAEDNPYVWSPAYSKT
QPKTMFAQVESDDEESKNEPEWKKRKI
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TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001081402

ORF Size: 1971 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001081402.1](#), [NP_001074871.1](#)

RefSeq Size: 2151 bp

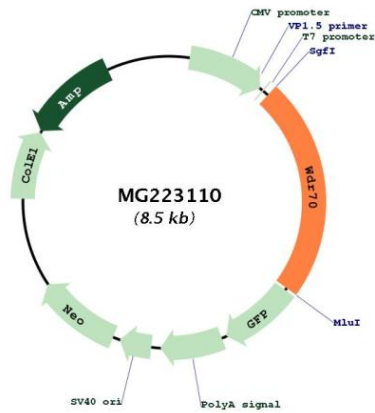
RefSeq ORF: 1974 bp

Locus ID: 545085

UniProt ID: [Q3TWF6](#)

Cytogenetics: 15 A1

Product images:



Circular map for MG223110