

Product datasheet for **MR206730**

Wdr12 (NM_021312) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wdr12 (NM_021312) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Wdr12
Synonyms:	4933402C23Rik; Ytm1; Ytm1p
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR206730 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCACAACCTCCAGGCACGTTTCTACAGCGAGAACAAGAAATACGCAGTGGATGATGTCCCTTTCTCAA
 TCCTGCCGCTGCTGAAGTTGCGGACCTTAGTAACATTATCAATAAGTTGCTGGAGACCAAAAATGAACT
 CCACAAGCATGTCGAGTTTGATTTCCTTATCAAGGCCAGTTTCTTCGAGTGCCTTGGTCAAACACATG
 GAACTGGAGAACATTTTCATCGGAAGAGGTTGTGGAAGTGAATATGTGGAAAAGTACACCGACCCACAGC
 CAGAGCAGTGCATGTTCCATGATGACTGGATCAGCTCAATTGAAGGGGCAGAAGAATGGATCCTGTCTGG
 TTCTTATGATAAGACTTCTCGGATCTGGTCTTGGAAAGGAAAGTCGATAATGACAATTGTGGACATACA
 GATGTTGTGAAAGATGTGGCTTGGGTGAAAAAGACAGTTTGTCTGCTTACTACTGACGGCCTCGATGG
 ACCAGACTGTTCTTATGGGAGTGAATGTAGAGAAGAAACAAAGTAAAGCTCTGCACTGCTGCCGAGG
 GCATGCTGGGAGTGTGGACGCCATCGCAGTCGATAGCTCGGGAGCTAAGTTTTGCAGTGGCTCCTGGGAT
 AAGATGCTAAAGATCTGGTCTACAGTCCCTACAGATGAAGAAGATGAAATGGAAGAAGCCACAAATCGAC
 CAAGAAAAAGCAAAAAACAGAACAATTGGGACTAACAAGAACACCCCTTGGTGACCTCTCTGGCCACAC
 AGAAGCAATTTCTCAGTCCCTTGGTGCAGACGCTGAAGAAATCTGTAGTGCATCTTGGGATCACACAATT
 AGAGTGTGGGATGTTGAGTCTGGCGGTCTTAAGTCAACTCTGACAGGAAATAAAGTGTAAATTGATTT
 CCTATTCTCCCTTTGTAACGTTTGGCATCTGGAAGCACAGACAGGCATATTAGACTGTGGGATCCCCG
 AACTAAAGATGGTCTTTGGTGTGCTGTCTCACCTCACACAGGCTGGGTGACATCAGTGAAGTGG
 TCTCTACCCATGAACAGCAGCTCATCTCGGGCTCTTAGATAACATTGTGAAGCTATGGGATACAAGAA
 GCTGTAAGGCTCCTCTACGATCTAGCTGCTCATGAAGACAAAGTTCTAAGTGTGGACTGGACAGACAC
 AGGGTACTTCTGAGTGGAGGAGCAGACAATAAATTGTATTCTACAGCTATCCCTACCACTCCCAT
 GTGGGGGCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR206730 protein sequence
 Red=Cloning site Green=Tags(s)

MAQLQARFYSENKKYAVDDVPFIPAAAEVADLSNIINKLLETKNELHKHVEFDLFIKQFLRVPLVKHM
 ELENISSEEVVELEYVEKYTAPQPEQCMFHDDWISSIEGAEWILSGSYDKTSRIWSLEGKSIMTIVGHT
 DVVKDVAWVKKDSL SLLLLTASMDQTVLLWEWNVEKNKVKALHCCRGHAGSVDAIAVDSSGAKFCSGSWD
 KMLKIWSTVPTDEEDEMEEATNRPRKKQKTEQLGLTRTPLVTL SGHTEAISSVLWSDAEEIC SASWDHTI
 RVWDVESGGLKSTLTGNKVFNCISYSPLCKRLASGSTRHIRLWDPRTKDGSLVLSLTSHTGWVTSVKW
 SPTHEQQLISGSLDNIVKLWDTRSCAPLYDLAAHEDKVL SVDWDTGLLLSGGADNKLYSYSPTTSH
 VGA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_021312

ORF Size: 1272 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_021312.5](#)
RefSeq Size: 2946 bp

RefSeq ORF: 1272 bp

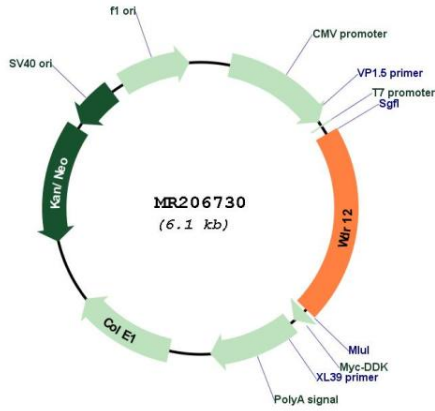
Locus ID: 57750

UniProt ID: [Q9JJA4](#)
Cytogenetics: 1 C2

MW: 47.3 kDa

Gene Summary: Component of the PeBoW complex, which is required for maturation of 28S and 5.8S ribosomal RNAs and formation of the 60S ribosome.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206730