

Product datasheet for **MG206730**

Wdr12 (NM_021312) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wdr12 (NM_021312) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Wdr12
Synonyms:	4933402C23Rik; Ytm1; Ytm1p
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206730 representing NM_021312 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCACAACCCAGGCACGTTTCTACAGCGAGAACAAAGAAATACGCAGTGGATGATGTCCTTTCTCAA
TCCCTGCCGCTGCTGAAGTTGCGGACCTTAGTAACATTATCAATAAGTTGCTGGAGACCAAAATGAACT
CCACAAGCATGTCGAGTTTGATTTCCTTATCAAGGGCCAGTTTCTTCGAGTGCCCTTGGTCAAACACATG
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CAGAGCAGTGCATGTTCCATGATGACTGGATCAGCTCAATTGAAGGGGCAGAAGATGGATCCTGTCTGG
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TCTCTACCCATGAACAGCAGCTCATCTCGGGCTTTAGATAACATTGTGAAGCTATGGGATACAAGAA
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AGGGCTACTTCTGAGTGGAGGAGCAGACAATAAATTGTATTCTACAGCTATTCCCTACCACTTCCCAT
GTGGGGGCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206730 representing NM_021312
 Red=Cloning site Green=Tags(s)

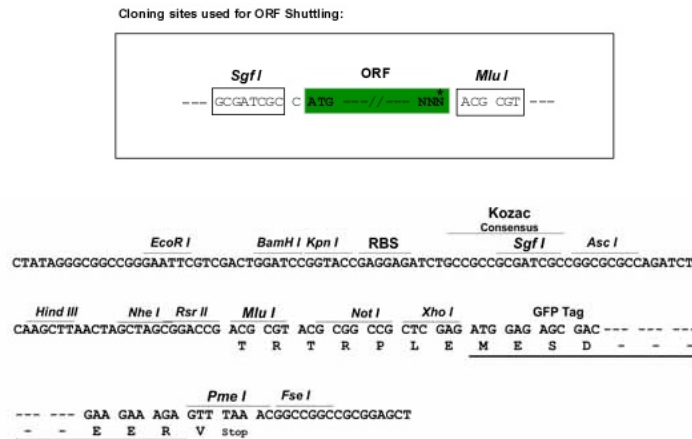
MAQLQARFYSENKKYAVDDVPFSIPAAAEVADLSNIINKLLETKNELHKHVEFDFLIKGQFLRVPLVKHM
 ELENISSEEVVELEYVEKYTAPQPEQCMFHDDWISSIEGAEWILSGSYDKTSRIWSLEGKSIMTIVGHT
 DVVKDVAWVKKDSLSCLLLTASMDQTVLLWEWNVEKNKVKALHCCRGHAGSVDAIAVDSSGAKFCSGSWD
 KMLKIWSTVPTDEEDEMEEATNRPRKKQKTEQLGLTRTPLVTL SGHTEAISSVLWSDAEEICSAWDHTI
 RVWDVESGGLKSTLTGNKVFNCSISYSPCKRLASGSDRHIRLWDPRTKDGSLVSLSLTSHTGWVTSVKW
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 VGA

TRTRPLE – GFP Tag – V

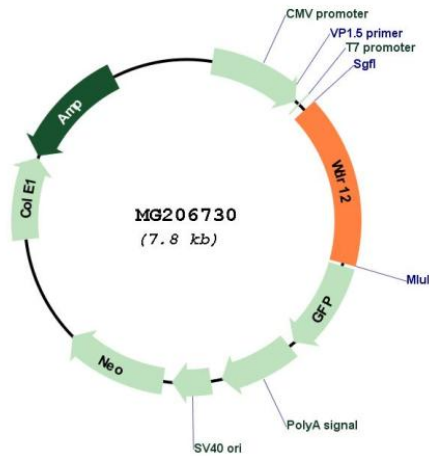
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_021312

ORF Size:	1269 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:	<ol style="list-style-type: none"> 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:	2917 bp
RefSeq ORF:	1272 bp
Locus ID:	57750
UniProt ID:	Q9JJA4
Cytogenetics:	1 C2
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]