OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RG215520

Morg1 (WDR83) (NM_001099737) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Morg1
Synonyms:	MORG1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG215520 representing NM_001099737
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTTTCCCTGAGCCAAAGCCGCGGCCTCCAGAGCTGCCGCAGAAACGGTTGAAGACGCTGGACTGCG
GGCAGGGGGCAGTGCGAGCCGTACGATTTAATGTGGATGGCAATTACTGCCTGACGTGCGGCAGTGACAA
GACGCTGAAGCTGTGGAACCCGCTTCGGGGGACGCTGCTGCGGACGTACAGCGGCCACGGCTACGAGGTG
CTGGATGCGGCCGGCTCCTTTGACAACAGTAGTCTCTGCTCCGGCGGCGGGGACAAGGCGGTGGTTCTGT
GGGATGTGGCATCAGGGCAGGTCGTGCGCAAATTCCGGGGCCACGCAGGGAAGGTGAACACGGTGCAGTT
TAATGAAGAGGCCACAGTTATCCTGTCCGGCTCTATTGATTCCAGTATCCGCTGTTGGGATTGCCGCTCA
CGGAGGCCTGAGCCAGTGCAGACGCTGGATGAGGCCAGAGATGGCGTGTCCAGTGTGAAGGTGTCAGACC
ACGAGATCCTGGCAGGCTCCGTGGATGGCCGCGTGAGACGCTATGACCTAAGGATGGGGCAGCTCTTCTC
AGACTACGTGGGCAGCCCCATCACCTGCACCTGCTTCAGCCGGGATGGGCAGTGCACCCTGGTGTCCAGC
CTGGACTCCACATTGCGGCTCCTGGACAAAGACACAGGGGAGCTGCTGGGCGAGTACAAGGGCCATAAGA
ACCAGGAATACAAGCTGGACTGCTGCCTGAGCGAGCGTGACACACATGTGGTCAGCTGTTCTGAGGACGG
GAAGGTGTTCTTCTGGGACCTGGTGGAGGGTGCGCTGGCTCTGGCCCTGCCTGTGGGTTCCGGTGTGGTG
CAGTCGCTGGCCTACCACCCAACAGAGCCCTGCCTGCTGACCGCCATGGGAGGCAGCGTCCAGTGCTGGC
GAGAGGAGGCCTATGAGGCAGAGGATGGAGCAGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

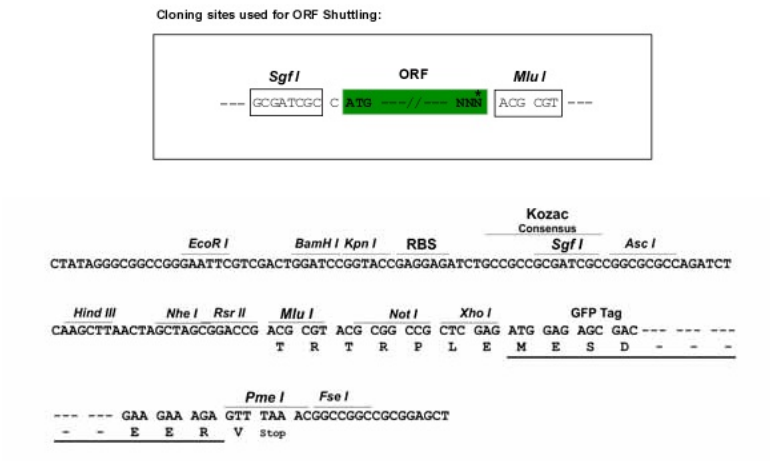
>RG215520 representing NM_001099737
Red=Cloning site Green=Tags(s)

MAFPEPKPRPPELPQKRLKTLDCGQGAVRAVRFNVDGNYCLTCGSDKTLKLWNPLRGTLLRTYSGHGYEV
LDAAGSFDNSSLCSGGGDKAVVLWDVASGQVVRKFRGHAGKVNTVQFNEEATVILSGSIDSSIRCWDCRS
RRPEPVQTLDEARDGVSSVKVSDHEILAGSVDGRVRRYDLRMGQLFSDYVGSPITCTCFSRDGQCTLVSS
LDSTLRLLDKDTGELLGEYKGHKNQEYKLDCCLSERDTHVVSCSEDGKVFFWDLVEGALALALPVGSGVV
QSLAYHPTEPCLLTAMGGSVQCWREEAYEAEDGAG

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001099737

ORF Size: 945 bp

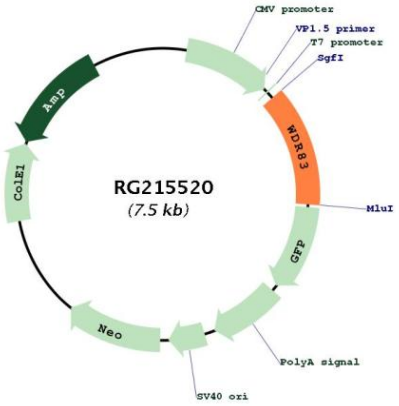
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001099737.3
RefSeq Size:	1466 bp
RefSeq ORF:	948 bp
Locus ID:	84292
UniProt ID:	Q9BRX9
Cytogenetics:	19p13.13
Gene Summary:	This gene encodes a member of the WD-40 protein family. The protein is proposed to function as a molecular scaffold for various multimeric protein complexes. The protein associates with several components of the extracellular signal-regulated kinase (ERK) pathway, and promotes ERK activity in response to serum or other signals. The protein also interacts with egl nine homolog 3 (EGLN3, also known as PHD3) and regulates expression of hypoxia-inducible factor 1, and has been purified as part of the spliceosome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009]

Product images:



Circular map for RG215520