

Product datasheet for **RG215575**

MORN1 (NM_024848) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	MORN1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG215575 representing NM_024848
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCAGCGCGGGCGAGGGCACCCGAGCTCCGCGGGCCGCTCGGGACCCGCCTAGGCGGCCGCCCC
 GGAACGGTTATGGTGTCTACGTATACCAAATTCCTTCTTTTCGATATGAAGGAGAATGAAAGCAGGGAG
 GAAGCAGCGTCACGGGAAGTTGTTATTTAAAGATGGCAGTTATTACGAAGGGCGTTTGTGGACGGAGAG
 ATCAGCGGAGAAGGCCCGGCACTGGGCTGGTCAGGAGACACCTTCTCTGGACAGTTTGTCTGGGAG
 AGCCTCAAGGCTACGGCGTCATGGAGTACAAAGCCGGCGGATGTTATGAAGGGGAGGTCTCCACGGCAT
 GCGGGAAGGACACGGGTTTCTGGTGGACCGGATGGACAAGTGTACCAGGGCTCCTTCCATGACAACAAG
 AGGCACGGCCCTGGGCAGATGCTCTTTCAGAACGGTGACAAGTACGACGGCGACTGGGTCCGGGACCGGC
 GTCAGGGACACGGGGTCTGCGCTGCGCCGACGGCTCCACCTACAAGGGACAGTGGCACAGCGACGTCTT
 CAGTGGACTGGGCAGCATGGCCCACTGCTCAGGGGTACCTATTATGGGTTGTGGATCAATGCCACCCA
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 AACCAAGAGACACTCATCCAGACCCATTGGGTTTGAATGCATCCCTTATCCTGTGTCAGCCCCGAG
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 GGAGCTGCATTTGGGTGCCCTCCATGGCCAGGAGGACACCCCTGGTGGCTGCTTGCAGGGGACATGCG
 CCCCATTGTCCGGGGCCTGTGAGCAGTGGAGCAGGGCTGTGCCAGTTTACAGATGTCTCTGGGGC
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 AGGCGGCCTGCACCCAGGGGACACACCCACGGCACAGGAGCCTCCTGGAGGCAGCAGGCTGAGGGG
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 CCCCAGCGTTCCTGGGGCGCAGGCTGCCCGGGCTTCAAACACCTGCGGGTCGTAGCGAAGAGGGCTGG
 CCAGCCACCCATGTCTGGAAGAAGGCCCTGAAGCCTCAAGCAGCTGGCAGGCCGCCACAGCTGCACC
 CCAGAGCCGCCAGCGCCTCGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

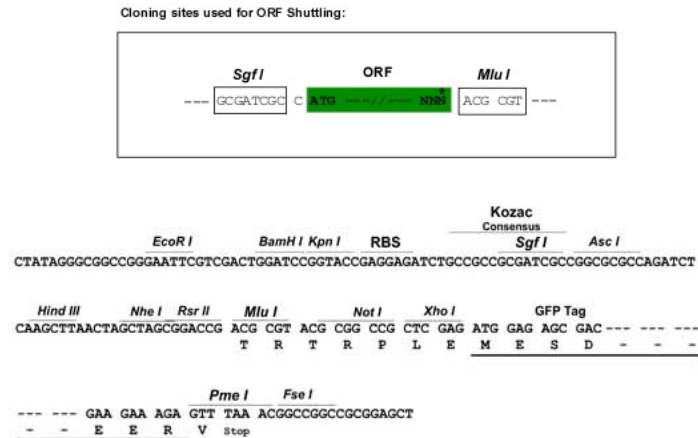
Protein Sequence: >RG215575 representing NM_024848
 Red=Cloning site Green=Tags(s)

MAAAGEGTPSSRGP RRDP RRPPRRNGYGVVYPNSFFRYEGEWKAGRKHHGKLLFKDGSYYEGAFVDGE
 ITGEGRRHWAWSGDTFSGQFVLGEPQGYGVMEYKAGGCYEGEVSHGMREHGFLVDRDQVYQGSFHDNK
 RHGPGQMLFQNGDKYDGDWVRDRRQGHGVLRCADGSTYKQWHSDFVSLGSMHCSGVTYYGLWINGHP
 AEQATRIVILGPEVMEVAQGSFVSNNVQLLDHGEIAKSESGRVLQISAGVRYVQLSAYSEVNFVKVDRD
 NQETLIQTPFGFECIPYPVSSPAAGVPGPRAAKGGAEDVPLPRGDLEHLGALHGQEDTPGGLLARGHA
 PHCPGACQVREQCAEFTDVLGPPPPGYHPFLFLDSLHKKAGGRSRGGLHPRGTPPTAQEPGGSRP
 RATEEQAAAAHLGEYVLMIRDVTTPFLGRRLPPAFKHLRVVAKRAGQPPHVLEEGPEASSWQAHSCT
 PEPPAPR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024848

ORF Size: 1491 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).

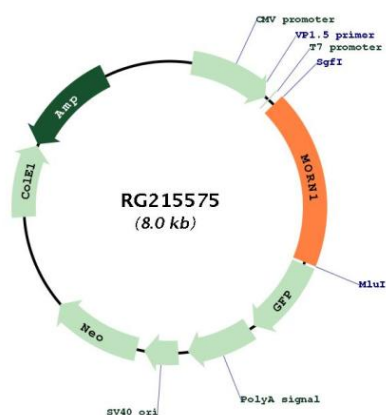
Reconstitution Method:

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_024848.3](#)

RefSeq Size: 1641 bp
RefSeq ORF: 1494 bp
Locus ID: 79906
UniProt ID: [Q5T089](#)
Cytogenetics: 1p36.32
Protein Families: Druggable Genome

Product images:


Circular map for RG215575