

Product datasheet for RC218659

MORN5 (NM_198469) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MORN5 (NM_198469) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: MORN5
Synonyms: C9orf18; C9orf113
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC218659 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGTACACAGGGAGCAAATATATCGGGGAATATGTAGATGGGAGGATGGAGGGCAAAGCCAAGTACA
TCCTCCCTACCGAAACAATATATGTTGGGGAAATGAAGGATGGCATGTTTCACGGCGAGGGAAACCCTGTA
CTTCCCCAGCGGAAGCCAATACGACGCCATTTGGGAAAACGGATTGGCCATAAAGGGCACATATACGTTCC
TCAGATGGGCTGCACTATGATGAGAAAACTGGCATTACTGCGACGGCTATGATCGGAGGTTTTACACAG
AGATCCTCAATGGCTTGAAGCCTGCAGGTATGGCTCAACTACCAATATGGACCCACCTAGAAAAATCCC
CAAGGGCTATTACGATTGTGGAGACGGCTTCTATAACCCAGTCACGAGGGTAGTCAAGGACTATAGGAAC
CGCTTTCTAAGAAACGCAGATGATGACGAGCATGAGTGGATCACCCGTACCTGTCAAAGGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC218659 protein sequence
Red=Cloning site Green=Tags(s)
MEYTGSKYIGEYVDGRMEGKAKYILPTETIYVGMKDGMFHGEGLYFSPSGSQYDAIWENGLAIKGTYTF
SDGLHYDEKNWHYCDGYDRRFYTEILNGLKPAGMAQLTNMDPPRKIPKGYDYDCGDFYNPVTRVVKDYRN
RFLRNADDDEHEWITRTRCKG

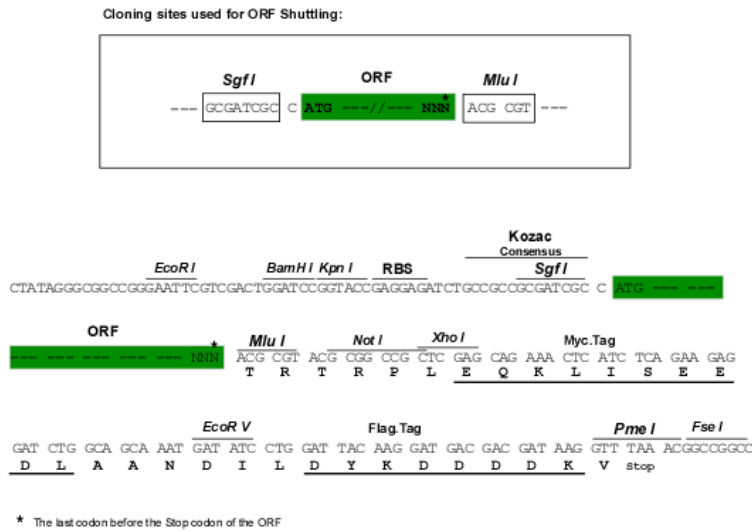
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6441_a10.zip



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_198469

ORF Size: 483 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.

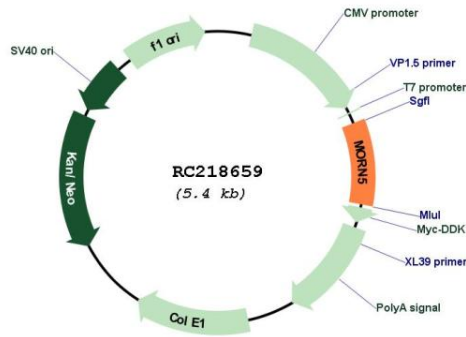
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_198469.4](#)

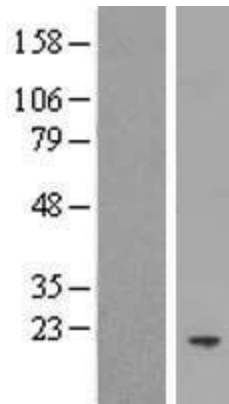
RefSeq Size: 727 bp

RefSeq ORF: 486 bp

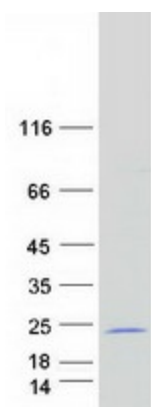
Locus ID: 254956
UniProt ID: [Q5VZ52](#)
Cytogenetics: 9q33.2
Protein Families: Druggable Genome
MW: 18.7 kDa

Product images:


Circular map for RC218659



Western blot validation of overexpression lysate (Cat# [LY404950]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC218659 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified MORN5 protein (Cat# [TP318659]). The protein was produced from HEK293T cells transfected with MORN5 cDNA clone (Cat# RC218659) using MegaTran 2.0 (Cat# [TT210002]).