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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)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGTACACAGGGAGCAAATATATCGGGGAATATGTAGATGGGAGGATGGAGGGCAAAGCCAAGTACA
TCCTCCCTACCGAAACAATATATGTTGGGGAAATGAAGGATGGCATGTTTCACGGCGAGGGAACCCTGTA
CTTCCCCAGCGGAAGCCAATACGACGCCATTTGGGAAAACGGATTGGCCATAAAGGGCACATATACGTTC
TCAGATGGGCTGCACTATGATGAGAAAAACTGGCATTACTGCGACGGCTATGATCGGAGGTTTTACACAG
AGATCCTCAATGGCTTGAAGCCTGCAGGTATGGCTCAACTCACCAATATGGACCCACCTAGAAAAATCCC
CAAGGGCTATTACGATTGTGGAGACGGCTTCTATAACCCAGTCACGAGGGTAGTCAAGGACTATAGGAAC
CGCTTTCTAAGAAACGCAGATGATGACGAGCATGAGTGGATCACCCGTACCTGTCGAAAGGGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
```

Protein Sequence:

```
>RC218659 protein sequence
Red=Cloning site Green=Tags(s)

MEYTGSKYIGEYVDGRMEGKAKYILPTETIYVGEMKDGMFHGEGTLYFPSGSQYDAIWENGLAIKGTYTF
SDGLHYDEKNWHYCDGYDRRFYTEILNGLKPAGMAQLTNMDPPRKIPKGYYDCGDGFYNPVTRVVKDYRN
RFLRNADDDEHEWITRTCRKG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV
```

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

View online »

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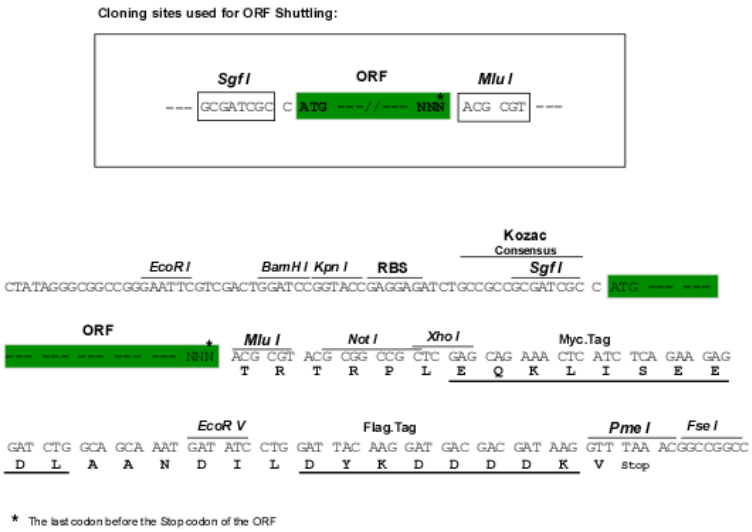
Restriction Sites: SgfI-MluI

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.

RefSeq: NM_198469.4

RefSeq Size: 727 bp

RefSeq ORF: 486 bp

Locus ID: 254956

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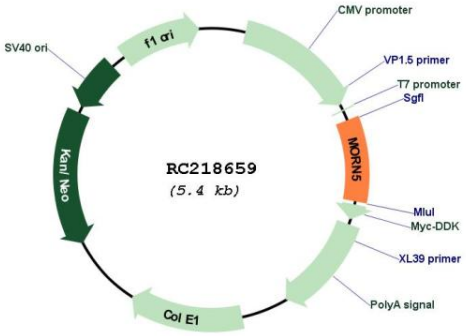
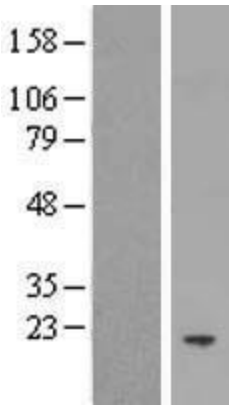
UniProt ID:	Q5VZ52
Cytogenetics:	9q33.2
Protein Families:	Druggable Genome
MW:	18.7 kDa

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 un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC218659 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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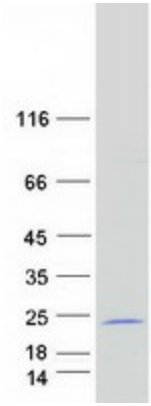

Coomassie blue staining of purified MORN5 protein (Cat# [TP318659]). The protein was produced from HEK293T cells transfected with MORN5 cDNA clone (Cat# RC218659) using MegaTran 2.0 (Cat# [TT210002]).

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