

Product datasheet for **MR221337**

Gm10670 (NM_001167161) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Gm10670
Synonyms:	ENSMUSG00000074330; Vmn1r102
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR221337 representing NM_001167161
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGCTCTGTTCTGGTAAATCCCTGAAAACCACTGAGGAAGTGGCTCTTCAGATCATTTTGCTTTGCCAGT
TTGGGGTTGGGACCATGGCCAATGACTTTCTGTTGTCCATAATTTCTCTCCAGTCTTGACTGGTTCTAA
ACAGAGGCCAGACAGGTGATTCTAAGCCACATGGCTGTGGCAATGCCTTGACTCTATTCCTCACTGTA
TTTCCAACAACATGATGGCTTTTGCTCCAAGAAACCTCCAAGTGAATGAAATTAATTTCT
TCAGTCACCTGGTGACAAGAAGCACAAATTTGTGTTCCACCTGTGCTGAGTATGCATCAGTTTGTAC
TCTGGTTCTATTAGTAGAGGTAACTTCTACTCAGAGCAAGTGCCAAATTTGGTGAGTTATTCTTGT
TACGGTTGTTGGTTTTTCAAGTGTCTTAAGTAACATTCACATTCCAATTAAGGTCACTGGTCCACAGATA
CAGACAATAACACTGACTCTAAAGCAAGTTTTTCTGTTCCACTTCTGGATTCACTGAAGAATTGTCTT
CTTGACAGTTTTCCCATGATGCCACATTCATGAGCATCATGGTCTGGACCAAGTGTCTCCATGGTACTTCTC
CTCCATAGACATCGCCAGCGAATGCAGCACATCCTCACTCCCAATCAGAACCCAGAGGCCAAGCTGAGT
CCAGAGCAACCAATACTATCCTGATGCTGGTGGTCACATTTGTTAGCTTTTATCTTCTAAATTTTATTTG
TATCATCTTTTACATCTTTTATACATTATAATTTATTCATACGGCTTCTTGGTGAGATTTTGGCTGCA
GGTTTCCCTACTATTTCTCCCTTACTGTTGATCTTCAGAGATCCTAAGAATCCTTGTCTTGAGCTCTTCC
ACTGTTTTAAACCAGAGTCGCTACAAAATTTGAAACACAGAAGACAGCTTCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>MR221337 representing NM_001167161

Red=Cloning site Green=Tags(s)

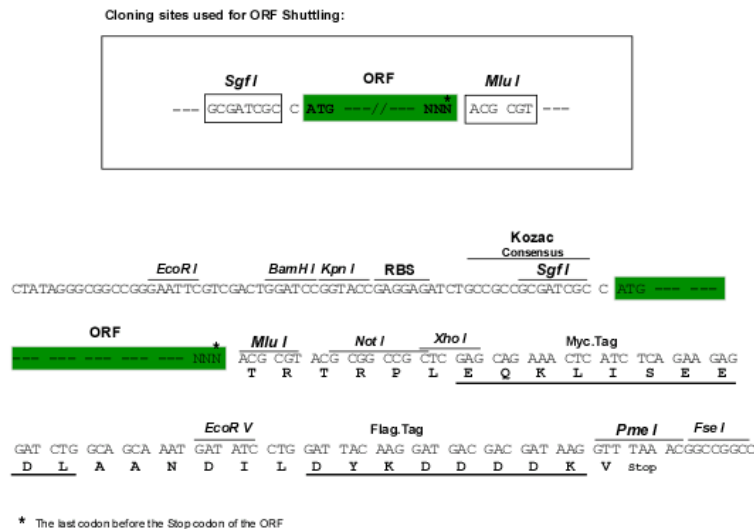
MSVRGKSLKTTEEVALQIILLCQFGVGTMANDFLFVHNFSPLVTGSKQRPRQVILSHMAVANALTFLTV
FPNNMAFAPRNPTELKCKLKFFSHLVTRSTNLCSTCVLSMHQFVTLVPISRGKLLLRASVPNLVSYSC
YGCWFFSVLSNIHIPIKVTGPQITDNNTDSKSKFFCSTSGFTVRIVFLQFSDATFMSIMVWTSVSMVLL
LHRHRQRMQHILTPNQNPGRQAESRATNTILMLVVTFSFYLLNFICIIFFHTFFIHYNLFIRLLGEILAA
GFPTISPLLLIFRDPKNPCLELFHCFKPESLQNLKHRRQLH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001167161

ORF Size:

963 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_001167161.1](#), [NP_001160633.1](#)

RefSeq Size: 966 bp

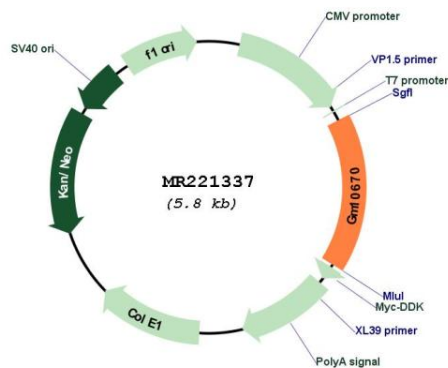
RefSeq ORF: 966 bp

Locus ID: 100042971

Cytogenetics: 7 A3

MW: 36.6 kDa

Product images:



Circular map for MR221337