

Product datasheet for **MR221318**

Gm5726 (NM_001167146) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Gm5726
Synonyms:	EG435946; Vmn1rl05
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR221318 representing NM_001167146
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTCTGCTCATGGTAACCTCCCTGAAAACCACTGAGGAAGTGGCTCTTCAGATTCTCTTGCTTTGCCAGT
TTGGGGTTGGGACTGTGGCCAATGTCTTTCTGTTGTCCATAATTTCTCTCCAGTCTTGACTGGTTCTAA
ACAGAGGCCAGACAGGTGATTTTAAGCCACATGGCTGTGGCCAATGCCTTGACTCTATTCCTCACTATA
TTTCCAAACAACATGATGGCTTTTGCTCCAAAACCTCCTCCAAATGAACTCAAATGTAATTAGAATCCT
TCAGTCACCTGGTGGCAAGAAGCACAACTTGTGTCCACCTGTGCTCCTGAGTGCCATCAGTTTGTGAC
TCTGGTTCTCTTAATAGAGGAAAGGTAACTTGTAAGTCAAGCAAGTGTCAAAACATGGCAAGTTAT
TCTTCTTACAGTTATTGGTTTTTCAAGTGTCTTAAGTAACTCCACATTCATTAAGTTCAAGTTCAAGTTCA
AGATAGCAGACAATAACACTGACTCGAAAAGAAAGTTGTTCTGTTCTCTTCCGGATTCAAGTGTGGCAT
TGCTTCTTGCAGTTTGCGTACGATGCCACATTCATGAGCATCATGGTCTGGACCAAGTGTCTCCATGGTA
CTTCTCCTCCATAGACATCGCCAGCGAATGCAGCACATCCTCACTCCCAATCAGAACCCAGAGGCCAAG
CTGAGTCCAAAGCAACCCATACTATCCTGATCCTGGTGTGTTACATTTGTAGCTTTTATCTTCTAAATTG
TATTTGTATCATGTTACATGCCCTTTTATGCATTCTCATTTCTTCGTAAGGCTGTGTCAGTGAGATTTTA
ACTGCGGTCTTCCCGATATCTCCTTTACTGTTGATCTTCAGAGATCCCAAGGATCCTTGTCTGTGC
TCTTAACTAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR221318 representing NM_001167146
Red=Cloning site Green=Tags(s)

MSAHGNSLKTTEEVALQILLLCQFGVGTVANVFLVHNFSPVL TGSQQRQVILSHMAVANAL TLFLTI
FPNNMMAFAPKTPPNELCKKLESFHVARSTNLCTCVLSVHQFVTLVPLNRGKGKLVLRASVTNMASY
SSYSYWFVSVLNHIHPKIFSGQPIADNNTDSKRKLCFSSGFSVGI VFLQFAYDATFMSIMVWTSVSMV
LLLRHHRQRMQHILTRPNQPRGQAESKATH TILVFTFVSFYLLNCICIMLHALFMHSHFVRLVSEIL
TAVFNSIPLMLITFDQKDPDPCSVLNY

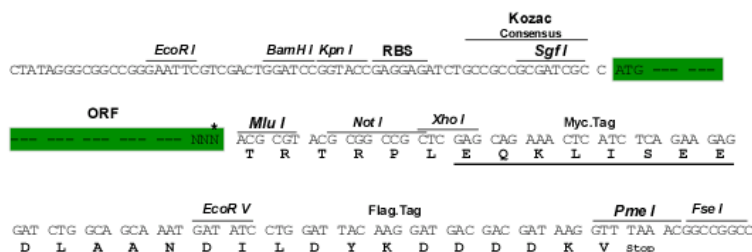
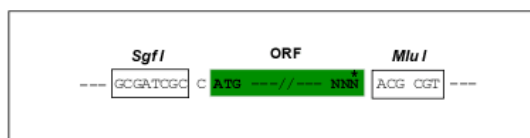
TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9087_b01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001167146

ORF Size: 921 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_001167146.1](#), [NP_001160618.1](#)

RefSeq Size: 924 bp

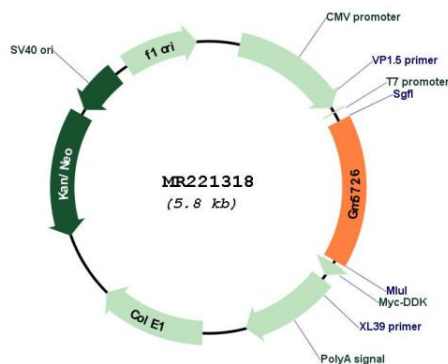
RefSeq ORF: 924 bp

Locus ID: 435946

Cytogenetics: 7 A3

MW: 34.4 kDa

Product images:



Circular map for MR221318