

Product datasheet for MR229719

AI987944 (NM_001199330) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AI987944 (NM_001199330) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	AI987944
Synonyms:	MGC60751; MGC117553
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR229719 representing NM_001199330 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCTATGATGATGTCCATGTAACCTCACTGAAGAAGAGTGGGCTTTGCTCAGTCCTTCCCAGAAGA
GGCTCTACAAGGATGTGATGCTGGAAACCTACAAGAACCTCACTGCTATAGGTTACAATTGGGAAGACCA
TAATAGTGAACATTTTCAACATTCTAGAAGACATGGAAGGCATGAAAGAAGTCATACTGGAGAAAAACCT
TCTGTATACTCAGTGTGGTAAAGTCTTGCATATCGCAGTCATCCTCAGAATCATGATAGAATGCATA
CAGGAGAGAAAAGCCATGAAGGTATTCAACATGGTAAAGCCTTTGCACATCAAAGTCACCTTCAAAGGCA
TGAAAGAATTCATACCAGCAAGAAACCTTATGAATGTAATCAGTGTGGTAAAGCCTTTGCACATCGTAGT
TACCTTCGAAAGCATAAAAAGAAATTCATATTGAAGAGAAGCCGATGAATGGAACCAATGTGGTCAAGGTA
ATCTCAAATACATAAAAGGACACATTCTGCACAGAAACCTATGAATGTAATCAGTGTGGAAAAGCCTT
CAGGCGGCACAATAGTCTCCAAGTACATAATAGAACACATACTGGAGAGAAAACCTTACAAATGTGATCAA
TGTGATAAAGCCTTTACACAACAAGGTCATCTCCGAATTCATAATAGAACACATACTGGAGAGAAAACCT
ATGAATGCAATCAATGTGGTAAAGCCTTTGCAGTTCACAGTACTCTCAAATACATAAAAGGACACATAC
TGCAGAGACCCCTATGAATGTAATCAGTGTGGTAAAGCCTTTAGGCGGCACAATACCCTCCAAATACAT
AAAAGAACACACACTGGAGAAAACCATACAAATGCGATCAATGTGATAAAGCCTTTTACAACAAGGTC
ACCTCAGAATACATAAAAAGAACACATACTGGAGAGAAAACCTTATAAATGTAGTCAGTGTGGTAAAGCTTT
TGCACGCCATAGTCATCTTCTAATTCATGAAAGAATTCATACTGGAGAGAAAACCTTACAGATGTAATCAA
TGTAATAAAGCCTTTTACAATATGGTGGTCTTCAAATACATAAAAGCACACATACTGCTGAGAAGCCCT
ATGAATGTAATGAATGTGGTAAACTTTTTACAACACAGTTATCTCCGAACACATAAAAAGAACACATAC
TAGAGAGAAAACCTATAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR229719 representing NM_001199330
Red=Cloning site Green=Tags(s)

MTYDDVHVNFTEEEWALLSPSQKRLYKDVMLETYKNLTAIGYNWEDHNSEHFQHSRRHRGRHERSHTGEKP
 SVYTQCGKVFAYRSHPNHDMHTGEKSHEGIQHGKAF AHQSHLQRHERIHTSKKPYECNQCGKAF AHR
 YLRKHKRIHIEEKPDWNQCGQGNLQIHKRTHSAQKPYECNQCGKAFRRHNSLQVHNRHTHTGEKPYKCDQ
 CDKAF TQQGHLRIHNRHTHTGEKPYECNQCGKAF AVHSTLQIHKRTHTAETPYECNQCGKAFRRHNTLQIH
 KRTHHTGEKPYKCDQDKAF SQQGHLRIHKRTHHTGEKPYKCSQCGKAFARHSHLLIHERIHTGEKPYRCNQ
 CNKAFSQYGGQLIHKSTHTAEKPYECNECGKTF SQHSYLRTHKRTHHTREKPYK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001199330

ORF Size: 1209 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_001199330.1, NP_001186259.1

RefSeq Size: 2948 bp

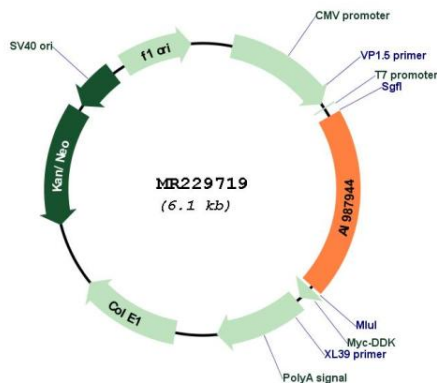
RefSeq ORF: 1212 bp

Locus ID: 233168

Cytogenetics: 7 B3

MW: 48 kDa

Product images:



Circular map for MR229719