

Product datasheet for **MR221205**

Kcnk12 (NM_199251) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcnk12 (NM_199251) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kcnk12
Synonyms:	mntk1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR221205 representing NM_199251
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCTCCCGCAGCCCCGGCCCCCGCCCGCCGCTGCCGCCGCCCTGCCGCCCCCTCTGTGTCT
 GCTGCTGTTGCCGCCGCTCGCACCTCAACGAGGACACCGGCCGCTTCGTGCTGCTGGCGGCCTCATCGG
 CCTCTACCTGGTGGCGGGTGCCACCGTGTCTCTGCGCTCGAAAGCCCGGGCGAGCGGAGGCGCGGGCG
 CGCTGGGGCGCCACGCTGCGCAACTTCAGCGCTGCGCACGGCGTGGCGGAGCCGAGCTGCGCGCCTTCC
 TCCGGCACTACGAGGCCGCGCTGGCCGCCGGGTCCGCGCCGACGCGCTGCGCCCGCTGGGACTTCCC
 TGGAGCCTTCTACTTCGTGGCACCGTGGTGTGACCATAGGTTTCGGCATGACAACACCAGCCACAGTG
 GGGGGAAGGCCCTTCTCATCGCTACGGACTGTTGGCTGCGCGGGGACCATCTGTTCTTCAACCTCT
 TTCTAGAGCGCATCATCTCGCTGCTGGCCTTTCATCATGCGCGCTGCCGGGAGCGCCAGCTGCGCCGAG
 TGGCCTGCTGCCGCCACCTTCCGCCGGCTCGCGCTGTCGGAGGCCACAGCCTGGCGGGCTGGAAG
 CCCTCGGTGTACCACGTGCTGCTCATCCTGGGCCCTGTTCCCGTGTGCTGGCCTGTTGCGCCTCGGCCA
 TGTACACCAGCGTGAAGGCTGGGACTACGTGGACTCGCTCTACTTCTGCTTCTGTCACCTTCAGCACCAT
 CGGCTTCGGGGACCTGGTGGAGCAGCAACACGCCGCTACCGGAACCAGGGGCTCTACCGCTGGGCAAC
 TTCTCTTTCATCTGCTCGCGTGTGCTGCATCTACTCGCTTCAACGTATCTCCATCTCATCAAGC
 AGGTGCTCAACTGGATGCTGCGCAAGCTGAGTGGCGTGTGACGCGCTGCTGCCCGGCTCCCGGCGC
 GCCCTAGCCGGCGCAACGCCATACCCCGGGCTCCCGCTGCGCGTGCCTGGCCGCGCTGGGTGCC
 GACCCCGGACTCGCGACAGCGATGCCGAGGGCCGCCCTGTGGGCGAGCTCATCTATGCGCGACC
 TCACGGCGTCCAACAAGGTGTCGCTGGCGTGTGCGAAGCAGCTGTCGAGACGGCAACGGCTACCC
 GCGCAGCGTGTGCGTCAACACGCGACAGAACGGCTTCTCGGGCGCGTGGCGCGCTGGGCATCATGAAC
 AACCGGCTGCGAGAGACCAGCGCTCCAGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR221205 representing NM_199251
 Red=Cloning site Green=Tags(s)

MSSRSRPPPPRRRRLPRPSCCCCCRRSHLNEDTGRFVLLAALIGLYLVAGATVFSALSPGAEARA
 RWGATLRNFSAAHGVAEPELRAFLRHYEALAAGVRADALRPRWDFGAFYFVGTVVSTIGFGMTTPATV
 GGKAFLIAYGLFGCAGTILFFNLFLERIISLLAFIMRACRERQLRRSGLLPATFRRGSALSEADSLAGWK
 PSVYHVLLILGLFAVLLACCASAMYSVEGWYVDSL YFCVTFSTIGFGDLVSSQHAAYRNQGLYRLGN
 FLFILLGVCCIIYSLFNVISILIKQVLNWMRLKLSRCCTRCCPAPGAPLARRNAITPGSRLRRRLAALGA
 DPATRSDAEGRRLSGELISMRDLTASNKVSLLALLQKQLSETANGYPRSVCNTRQNGFSGGVGALGIMN
 NRLAETSASR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9017_h08.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_199251

ORF Size: 1290 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_199251.1](#), [NP_954859.1](#)

RefSeq Size: 1952 bp

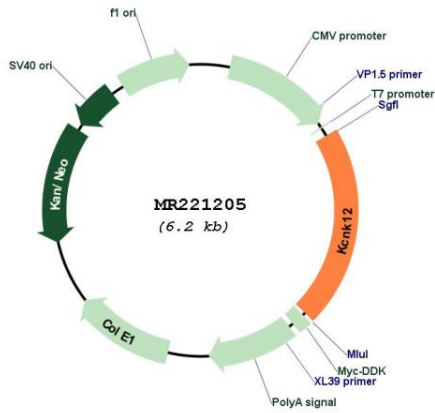
RefSeq ORF: 1293 bp

Locus ID: 210741

Cytogenetics: 17 E4

MW: 47.4 kDa

Product images:



Circular map for MR221205