

Product datasheet for MR205338

Kti12 (NM_029571) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kti12 (NM_029571) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kti12
Synonyms:	1110001A12Rik; AI326810; AU014758
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205338 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGCCGCTCGTCGTGGTTTGC GGCTGCCGTCCAGCGGCAAGAGCCAGCGGACGGAGGAGCTCCGTCGGG
CGCTGGCCAGCGAGGGCCGCGCGGTGTATGTGGTGGACGATGCTTCGGTCTGGGCGCGCAGGACCCGAC
TGTGTACGGGACTCCGCTGGTGAAGGCTCTGCGGGCTGCGTGGGGCTGCGGTGGAGCGGCGCCTG
AGCCGGCAGGACGTGGTATCCTGGACTCGGTGAACACATCAAGGGCTCCGCTATGAGCTGTACTGCC
TCGCCCCGGCCGCGCACGCCGCTCTGCTTACTTTACTGCGTGGGCCGAAGTGGCCGAGCCGCGAGCT
TCGGGAGGCTTCCGCCTCCGAGAACCGGACCTGGCTGTGAGCGTGGAGACCGCGCGCCGAGACC
GGCGGGAAGTCTCAGCGGCTGGCGCTGTGGAGGAACAGCGCGCCACCAGCCCCGTAGCCAAACGGGGAG
TTCTGGCCGCTGTCTCAAAGGAAGTCCAGAGGAAATCCTGCCATCAAACCCCTCCGCTGTAATGAC
CCCGGGTCCGAGAAATCTGCAGAGCCTGCGTCTGTGCCTTTCCTCCCGAGGTTCTGGAGTCTTAGCG
CTGCGCTTTGAGTCTCCCGACTCCCGAATCGCTGGGATCGCCCCCTTGTCTACTGTGGTGGGTTTAGAAG
AGCCATTGCCCTCGCGGAGATCCGGTCTGCCTTGTGGAGATCGGGCTCCCCGCCCATCAGTCTAC
GCAGTCTCAGCCTTAGCCTCTGGCAGCTTTCTGCACAGTTGGATCAGGCCACGAGCCAGGTGTTGACC
GCTGTGATGGAAGCCAGAAGAGCGCTGTGCCGGAGACTTCTAAAGCTCCCTGGCACCACGGAGCCCC
TCCGATTTACCCGACCCTTAGCCTTAGCAGAAATTGAGTCGCTCCGTCGCCAGTTTATTTCTACACCAA
AATGCATCCCAATAACGAGAATCTGCCTCAATTGGCCAACATGTTTCTTCAATCTGAACCAGAGTTTG
CAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR205338 protein sequence
Red=Cloning site Green=Tags(s)

MPLVVVCGLPSSGKSQRTEELRRALASEGRAVVVDDASVLGAQDPTVYGDSAGEKALRAALRAAVERRL
 SRQDVVILDSVNYIKGFRYELYCLARAARTPLCLLYCVRPNWPSRELREASASENRDLAVSVWRPRAET
 GGKSQAAGAVEEQRATSPVANGGVLAAVSKELDPEEILPSNPSAVMTPGSEKSAEPASCAFPPEVLESLA
 LRFESPDSRNRWDRPLFTVVGLEEPLPLAEIRSALFENRAPPHQSTQSQPLASGSFLHQLDQATSQVLT
 AVMEAQKSAVPGDFLKLPGTTEPLRFRPLTLAELSRLRRQFISYTKMHPNNENLPQLANMFLQYLNQSL
 H

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_029571

ORF Size: 1056 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_029571.1](#), [NM_029571.2](#), [NP_083847.1](#)

RefSeq Size: 1556 bp

RefSeq ORF: 1056 bp

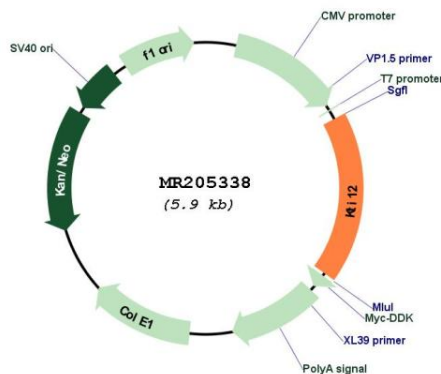
Locus ID: 100087

UniProt ID: [Q9D1R2](#)

Cytogenetics: 4 C7

MW: 38.4 kDa

Product images:



Circular map for MR205338