

Product datasheet for **MG221205**

Kcnk12 (NM_199251) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kcnk12 (NM_199251) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Kcnk12
Synonyms: mntk1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG221205 representing NM_199251
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCTCCCGCAGCCCCGGCCCCCGCCCCGCCGCTGCCGCCGCCGCTGCCGCCGCCCTCCTGCTGCT
GCTGCTGTTGCCCGCGCTCGCACCTCAACGAGGACACCGCCGCTTCGTGCTGCTGGCGCGCTCATCGG
CCTCTACCTGGTGGCGGGTCCACCGTGTCTCTGCGCTCGAAAGCCCGGGCGAGCGGAGGCGCGGGCG
CGCTGGGGCGCCACGCTGCGCAACTTCAGCGCTGCGCACGGCGTGGCGGAGCCCGAGCTGCGCGCCTTCC
TCCGGCACTACGAGGCCGCGCTGGCCGCCGGGTCCGCGCGACGCGCTGCGCCCGCGCTGGGACTTCCC
TGGAGCCTTCTACTTCGTGGGCACCGTGGTGTGCGACCATAGGTTTCGGCATGACAACACCGCCACAGT
GGCGGGAAGGCCTTCTCATCGCTACGGACTGTTCCGGCTGCCGGGGACCATCTTGTCTTCAACCTCT
TTCTAGAGCGCATCATCTCGCTGCTGGCCTTTCATCATGCGCGCCTGCCGGGAGCGCCAGCTGCGCCGCG
TGGCCTGCTGCCCGCCACCTTCCGCCGGGCTCGGCGCTGTCGGAGGCCGACAGCCTGGCGGGTGGAA
CCCTCGGTGTACCACGTGCTGCTCATCTGGCCCTGTTCCCGTGTGCTGCTGGCCTGTTGCCCTCGGCCA
TGTACACCAGCGTGAAGGCTGGGACTACGTGGACTCGCTCTACTTCTGCTTCTGCTCACCTCAGCACCAT
CGGCTTCGGGGACCTGGTGAGCAGCCAACCGCCGCTACCGGAACAGGGGCTCTACCGCTGGGCAAC
TTCCTTTCATCCTGCTCGCGTGTGCTGATCTACTCGCTTTCACGTCATCTCCATCCTCATCAAG
AGGTGCTCAACTGGATGCTGCGCAAGCTGAGCTGCCGCTGCTGCACGCGCTGCTGCCCGGCTCCCGGCG
GCCCTAGCCCGCGCAACGCCATCACCCGGGCTCCCGGCTGCCCGCTGCGCTGCCCGGCTGGGTGCC
GACCCCGGACTCGGACAGCGATGCCAGGGCCGCCGCTGTCGGGCGAGCTCATCTATGCGCGACC
TCACGGGTCCAACAAGGTGTCGCTGGCGCTGCTGCAGAAGCAGCTGTCCGAGACGGCAACGGCTACCC
GCGCAGCGTGTGCGTCAACACGCGACAGAACGGCTTTCGGGGCGGCTGGGCGCGCTGGGCATCATGAAC
AACCGGCTGGCAGAGACCAGCGCTCCAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG221205 representing NM_199251
 Red=Cloning site Green=Tags(s)

MSSRSRPPRRRCRRRLPRPSCCCCCRRSHLNEDTGRFVLLAALIGLYLVAGATVFSALSPGAEARA
 RWGATLRNFSAAHGVAEPELRAFLRHYEALAAGVRADALRPRWDFPGAFYFVGTVVSTIGFGMTTPATV
 GKAFLIAYGLFGCAGTILFFNFLERIIISLLAFIMRACRERQLRRSGLLPATFRRGSALSEADSLAGWK
 PSYYHVLLILGLFAVLLACCASAMYTSVEGWYDVSDFYCFVTFSTIGFDLVSSQHAAYRNQGLYRLGN
 FLFILLGVCCIYSLFNVISILIKQVLNWMRLKLSRCCTRCCPAPGAPLARRNAITPGSRLRRRLAALGA
 DPATRSDAEGRRLSGELISMRDLTASNKVSLLALLQKQLSETANGYPRSVCVNTRQNGFSGGVGALGIMN
 NRLAETSASR

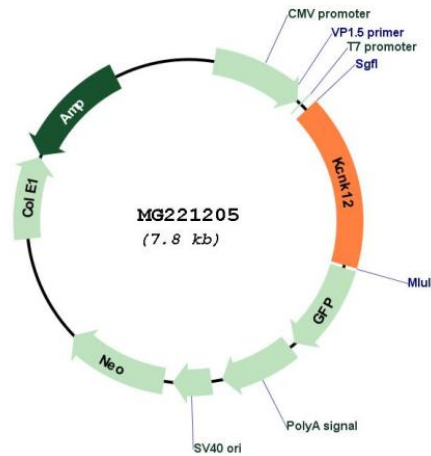
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



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:	<ol style="list-style-type: none">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