

Product datasheet for **MR230750**

Gm1110 (NM_001281475) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gm1110 (NM_001281475) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gm1110
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR230750 representing NM_001281475
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGGCCTTCCTGGGAGACCTGAATGCATTCTGTGTCTGTCTTCAGCCTTATGTGCGATGGCTCTGC
 TCAGCAATAACGAGTTTTCCAGGCTTAATCAAACCTCACTTGACCCCTTGTGTGATATAACCGAAAAGT
 AGGTCTGCAAGTCAAGGACTCACAAATTCACACTGGAAGTTTTCCATTCCGGATCATCTCTGGCACTATA
 GACTACTTCCGGATACCTAGGAACTCCTGGAGACTCAGTTTGGGAAGATGCAGGCCGGTGGCTTCAATA
 CTCTTACCACGCATATTCCTTGGAACTCCACGAGCCGGCAGTTGGCCAGTTTTATTTCACTGAAAAAC
 AGACCTCATAGCTTTTATCACCATGGCTTCACAGTCGGGACTCTGGGTATTCTGTGTCCGGGCCCTAC
 ATTGGCAGTGACTTAGACCTTGGAGGCTTGCCAGCTGGTACTCAAGGATCCAAAAATGAAGCTGCGGA
 CAACTTACAAGGGATTTACTAAAGCAATGAATCGGTATTTGACAATCTGATCCCAAGATAGCAAAATT
 CCAGTATAAGAAAGGCGGCCCATCATTGCCGTGCAAGTTGAGAATGAATATGGTTCCTACTATATGGAT
 AAGAAATACATGGCATATGTGAAAACGGCTTTAGTGTCAAGAGGAATTGATGAGCTGCTCATGACTGCAG
 ATGATGGTGTGAGTCTAAGAAAGGGCCACTTGGAAAACGTGCTGGCCACTGTTACATGAAGAATATAAA
 GAAAGAAACATTTGGAGACCTCAGATCTATTAGGGTAAAAGCCCTATTCTGATGATGGTATATACAACC
 AAGTCTTTTGACACATGGGGAACCTGCACCAGACTGGAGATGCACAGATGCTGCTGAAGGATGTCCATG
 AGATGTTCCACCTCGGGTTCCTCAACTTCTACATGTTCCAAGGTGGTACCAACTTTGGCTTAATTGG
 TGGAGCTCAGTCTCAGAGGGTTACAAGCCTGTAGTACCAGCTATGACTACAATGCACTGGTGTGAGAA
 GGTGGAGAATATACAGTCCAGTACCGGGAATTTCAACGTTTTTCCATTCTGTTACAGACAGTCACTTGA
 CCGTTCAACCAAAAACCTACACAGATGTTTGCCTATCAGCCAGTGACACTGTTATATTTTCATGACCTGTG
 GGAATTCCTGCCAATCTGGTTAAGACAACCAAGTCTTCCAAGCCCTATCCATGGAGCAGCTGCGGGTG
 AATGAAAGAAGTGGCCAGTCCTTTGGATATATACTTTATGAGACTGTCATCTTCAGTGGAGGCCTCATCA
 CATCAAGGGGTCAATTCGAGACCGAGGGCAGGTGTTTTGGATAACATCTATATAGGACTCCTGGATCA
 ATCCAACAGTGAGCTGCTTCTTTACAAAGATGTCTCCAAGAAAAGTCAGATTCTCAGGATCCTGGTGGAG
 AACCAAGTGCAGTCACTTCTGGGCAGGATATCAACAAGGAGAGAAAAGGTTAACTGGGGACATCTATC
 TAGACAAGTCTCCACTGAGACATTTAAAATCTACAGCCTGGAATGAACAATATATTCATACAAAGGGA
 ATTTCCCAATTCCTGGCAAAGGGTGACAAGCCAAGTCCAGGGACCTGCCTTTTCTCAGTACTTGAAA
 GCAGGGGATCCTCCCAGGACACCTTCATGAAAATACAAGGCTGGGAAAAGGTGTCATATCCATTAATG
 GAAGGAGCTGGGACGATCTGGAACATTGGCCCCAGGAAACTGTCTTTGTCCCTGGCTCCTGGCTTCA
 ACCTGGAGTTAATAAGATCATAATGTTTGAGGAATTGAAAGGTGACGAAAAGATTCACTTTTCAACCAAG
 GCTCAACTAGGACAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR230750 representing NM_001281475
Red=Cloning site Green=Tags(s)

MWAF LGRPECILCLSSALCAMALLSNNEFSRLNQTHLTPLLLINRKVGLQVKDSQFTLEGFPFRIISGTI
 DYFRIPRNSWRLSLRKMQAGGFNTLTHHIPWNLHEPAVGQFYFTENTDLIAFITMASQSGLWVILCPGPY
 IGSDLDLGGPLSWLLKDPKMKLRTTYKGF TKAMNRYFDNLIPKIAKFQYKKGPIIAVQVENEYGSYYMD
 KKYMAYVKTALVSRGIDELLMTADDGVSLRKGHLENVLA TVHMKNIKKE TFGDLRSIQGKSPILMMVYTT
 KSFDTWGTLHQTDGAQMLLKDVHEMFHLGFSLN FYMFQGGTNFGLIGGAQSSEGYKPVVTSYDYNALVSE
 GGEYTVQYREFQRFFHSVTDSHLTVQPKTTQMFAYQPV TLLYFMTLWEFLPNLVKTKSSKPLSMEQLRV
 NERSGQSFGYILYETVIFSGGLITSRGHIRDRGQVFLDNIYIGLLDQSNSELLLYKDVSKKSQILRILVE
 NQGRLTSGQDINKERKGLTGD IYLDKSPLRPFKIYSLEMN NIFIQREFPNSWQRVTSQVQGP AFFLSYLK
 AGDPPQDTFMKIQGWGKGVISINGRSLGRYWNIGPQETVFVPGSWLQPGVNKIIMFEELKGDEKIHFKSTK
 AQLGH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001281475

ORF Size: 1905 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_001281475.1](#), [NP_001268404.1](#)

RefSeq Size: 2385 bp

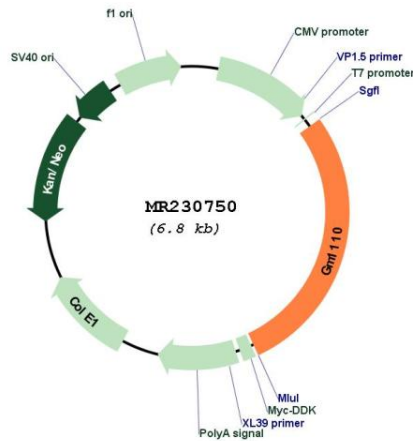
RefSeq ORF: 1908 bp

Locus ID: 382064

Cytogenetics: 9 A4

MW: 72.7 kDa

Product images:



Circular map for MR230750