

Product datasheet for MR204880

1110051M20Rik (NM_175123) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	1110051M20Rik (NM_175123) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	1110051M20Rik
Synonyms:	A1586322
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204880 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGAGTCCCAGCGCCTAGCTCTACCGACTACGAGTATCTGGCTCAGAGACATGTCCTCACGTACA
TGGAGGATGCAGTGTGCCAGCTGCTGGAGAACAGGGAGGATATTAGCCAGTATGGCATTGCCGGTTCTT
CACTGACTATTTAACAGCGTATGCCAAGGAACACATTCTCTCCGGGAATTCAGCTTATAACAAGCC
ACACCTCATAATAGAGCATCATTCTCCGGCCCTTCTGGAGATGCTTCCGAAGTGTAGGGAAAAATGGT
ACCTGCTGACCATGAGGGAGTACCACTGTCTGCTGCAGTTATTGTGCCAGACTTCCCGCTGGAGCTTAC
TCAGAAAGCCGCCAGGATTGTGCTCATGGATGATGCCATGGACTGCCTGATGCTTTTTTCAGATTTCTT
TTCGCCTTCCAGATCCAGTTTTATTACTCAGAATTCCTGGAGAGTGTGGCTGCCATCTATCAGGACTTGC
TATCTGGGAAAAACCCCAATACAGTGATTGTCCCAACATCATCCAGTGGGCAACACCGCCAACGACCTGC
CTTGGGTGATGCCGGTATGCTGGATGGAGTGGAAGCATCACTGTTCTATCAGCGCCTGGAAAACTGTGT
GACCGGCACAAGTACAGCTGTCCACCACCAGCGCTTGTCAAAGAGATCCTGAGCAATGTCCAGAGGCTGA
CTTTCTATGGATTCCTTGTGGCCCTCTCAAAGCATCATGGGATCAACCAAGCCCTGGGAGCTTTGCCAGA
CAAAGGAGACCTGATGCACGACCAGCCATGGATGAAGAGCTGGAACGGCTGCTGGTCCAGTCCCAGGC
CTGGTCAACTCCATCACTGCCACTTCTGAGGCCAGCTGCCTGCCTTCCGAACCCCTCCCGGGTTGGTT
CCCGTGGAAACCCCTCCATCGCTCCCGCAAATGGATGCAGAGAGCGATGGCTCCAAGAGACAGATA
TGAGTCTGAGACT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204880 protein sequence
Red=Cloning site Green=Tags(s)

MLSPERLALPDYEYLAQRHVLT YMEDAVCQLENREDISQYGIARFFTDYFNVCQGT HILFREFSFIQA
 TPHNRASFLRAFWRFCRTV GKNGDLL TMREYHCLLQLLCPDFPLELTQKAARIVLMDDAMDCLMSFSDFL
 FAFQIQFYSEFLESVAAIYQDLLSGKNPNTVI VPTSSSGQHRQRPALGDAGMLDGV EASLFYQRLENLC
 DRHKYSCPPPALVKEILSNVQRLTFYGF LVALSKHHGINQALGALPDKGDL MHPAMDEELERLLVQVPG
 LVNSITATSEASCLPSRTPPRV GSPWKPLHRSRKLDAESDGSTEETDESET

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_175123

ORF Size: 996 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_175123.5](#)

RefSeq Size: 1979 bp

RefSeq ORF: 996 bp

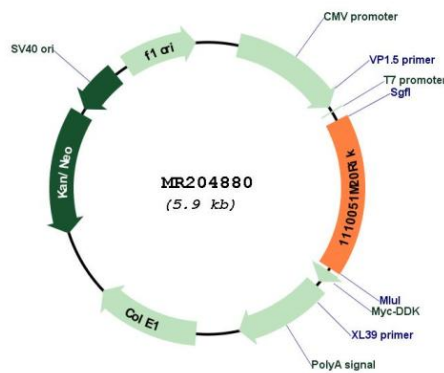
Locus ID: 228356

UniProt ID: [Q8BHR8](#)

Cytogenetics: 2 E1

MW: 37.5 kDa

Product images:



Circular map for MR204880