

Product datasheet for MR204621

Fam178b (NM_201365) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam178b (NM_201365) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fam178b
Synonyms:	1700024G10Rik; Gm990
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204621 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAAGTCCAAGCCAACAGGCTGGGACCCAGAGATTTCTCTGGGAGCTCACAATGCTACATCAATA
ACTTAGATTACTTACTGCAAGAAAAGAGGATGCTGGTGGAGAAGTTCTCCGTGTCCTGCAGGTCATCTC
GCCAGTGCATCCGGGTGAACTGTATTCTTGCCTAGGCCGTCACCCTTTCCTTGCCTTCTGGACTCCTCT
CGTCTAAAGCCGCACAGCCATTGGAAGAGCTGTTCTCAGGTCCTCGCTGCCGAGCAGCTCTCCTTCC
TACACAATGGCCTCCTGAGCAACCTCTACCTGCATGCTGCTGACTGCCCTCAGCCTCTGCTGCAGTGGCT
GTTCCAGTTGTTAACATGGCCTCCAGAAACATCTCAAGAGCTTTTGGCCTCCTCTGGGATCTCAGTATA
GATGGACTGTTCCGTGAGCCTGATGAAGACATGCATTTCTGGTGTCCCTCACTGCAGGAGGTCAAAGAGG
TGTTCCAGCAGCCTGGGAGCCTACAACCCCGCCCTGTACCCACAGGGGCCCTTCCAGCACGGCGCAAGGGT
GCTTGAGAGTGAGGCCAGCCTGGATTACAGGATCCTCCCAGGAAGTGGCCTTGACATTAAGTTGAAC
TACATCTACAAGTTCTGACCCTGTGTCTCCTAGTCCGGCCAGTGTCTACACGGATGCCAGCATCTTGG
ATCTGATGGAGCTGCTGTGCCGCGCAGGCCTGGATGTAGGGTTGTGCCTGCTGCCAAGACTGACCTCCA
GCAACTCCTGCTCCTGCTGCTGGAGAGAATCCAAGAGTGGCCTGGAAAGCTCCAGCCCTTTGCTGTGCC
CTGAGCTGGGTGCCGACCACCACAACCTGCTGGCCCTCGTGCAGTCTTCTGGATGTGACGCCTC
GGGGCAGTGGGTGCTTCTCAACCACATCCCACGGGATCTTTCAAGGATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204621 protein sequence
 Red=Cloning site Green=Tags(s)

MASPSQQAGTPEISSGSSQCYINNLDYLLQEKRM LVEKFSVSLQVISPVHPGETVFLPRRHPLPCFLDSS
 RLKPHSPLEELFLRSSLP EQLSFLHNGLLSNLYLHAADCPQLLQWLFQLLTWPPE TSSRAFGLLWDL SI
 DGLFRQPD E DMHFWCPSLQEVKEV FSSLGAYNPALYPQGP FQHGARVLESEASLDSQDPPQ E VALDIKLN
 YIYKFLTLCLLVRPVSYTDASILDLMELLCRAGLDVGLCLLPKTDLQQLLLLLL LERIQEWP GK LQPLCCA
 LSWVSDHHHNL LALVQFFLDVTPRGRWVLLNHIPRDL SRI

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_201365

ORF Size: 963 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_201365.2](#)

RefSeq Size: 1672 bp

RefSeq ORF: 1140 bp

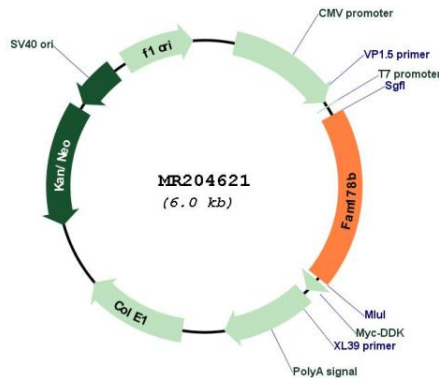
Locus ID: 381337

UniProt ID: [Q24JP3](#)

Cytogenetics: 1 B

MW: 36.4 kDa

Product images:



Circular map for MR204621