

Product datasheet for **MR214270**

Fam178b (NM_001126046) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam178b (NM_001126046) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fam178b
Synonyms:	1700024G10Rik; Gm990
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR214270 representing NM_001126046
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCAGATGCCAGGGACTCGTTCCTCCACTGACTGGAGCCACCTCTGTAGAGTTCCTAAACAAGCCCA
 AGAAAGCACCTCCAGCCAAAAGGGACCCCTTGAGGACTTGAGAGAAGACCCTCCAGATCCCAACCAGAA
 GGTGGAGCTGGCCTCCCTGGAGGAGCTTCTGGAACATGGCAAGTCCAAGCCAACAGGCTGGGACCCCA
 GAGATTTCTCTGGGAGCTCACAATGCTACATCAATAACTTAGATTACTTACTGCAAGAAAAGAGGATGC
 TGGTGGAGAAGTTCTCCGTGTCCTGCAGGTATCTCGCCAGTGCATCCGGGTGAAACTGTATTCTTGCC
 TAGGGCTCACCTTTGCCTTGTCTCCTGGACTCCTCTCGTCTAAAGCCGCACAGCCATTGGAAGAGCTG
 TTCCTCAGGTCTCGCTGCCGAGCAGCTCCTTCTACACAATGGCCTCCTGAGCAACCTCTACCTGC
 ATGCTGCTGACTGCCCTCAGCCTCTGCTGCAGTGGCTGTTCCAGTTGTTAACATGGCCTCCAGAAACATC
 TTCAAGAGCTTTTGGCCTCCTCTGGGATCTCAGTATAGATGGACTGTTCCGTGAGCCTGATGAAGACATG
 CATTCTGGTGTCCCTCACTGCAGGAGGTCAAAGAGGTGTTGAGCAGCCTGGGAGCCTACAACCCCGCCC
 TGTACCCACAGGGGCCCTTCCAGCACAGCGCAAGGGTGCTTGAGAGTGAGGCCAGCCTGGATTACAGGA
 TCCTCCCCAGGAAGTGGCCTTGGACATTAAGTTGAACTACATCTACAAGTTCTGACCCTGTGTCTCCTA
 GTCCGGCCAGTGTCTACACGGATGCCAGCATCTTGGATCTGATGGAGCTGCTGTGCCGCGCAGGCTGG
 ATGTAGGGTTGTGCTGTGCCAAGACTGACCTCCAGCAACTCTGCTCCTGCTGCTGGAGAGAATCCA
 AGAGTGGCCTGGAAGCTCCAGCCCTTTGCTGTGCCCTGAGCTGGGTGTCCGACCACCACCAACCTG
 CTGGCCCTCGTGCAGTCTTCTTGGATGTGACGCCTCGGGCAGGCAGCTGAGAAGTCAAGTGCAGTCTTG
 TGATTATTGCCCGGATGCTGGGCCAGCAGGAGTCACTTCTTTCTCGGCAGAGAAAACCCAGTACGCCCT
 GCTCAGCCAGCTCCTCAGCCTCATGAGGCCTTCGTCCTCAGGCAGTGTCTGGGCATTGAAACCTTGCCA
 TCCAGTCTAGGGCAACACTCAAAGGCCAGTGCCGAGCTAGACTACAAGGTCTGCTATCTGTGCCACAGCC
 TCCTGACACTAGCTGGGGTCTGGTTCAGTAGCCAGGACATTACTCCCAATCAATGGGGTGGAGTACAGCT
 GTTGTGCATGCAGTTGGACCGTCATATCAGCACCCATATCCGGGAGAGCCCTCAGGCCATGCACCGGACC
 AAACCTCAAGGACCTAGCTACCCAGACTTACATCCGCTGGCAGGACTTGTGGCCACTGTGAGCCCGAGG
 GTCAGTACTTCAGCCCTTGAAAGACATT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR214270 representing NM_001126046
 Red=Cloning site Green=Tags(s)

MQMPRDSFPTDWSPPPVEFLNPKPKAPPAKKGPLEDEKDPDPNQVELASLEELFWNMASPSQQAGTP
 EISSGSSQCYINNLDYLLQEKRMLVEKFSVSLQVISPVHPGETVFLPRRHPLPCFLDSSRLKPHSPEEL
 FLRSSLPEQLSFLHNGLLSNLYLHAADCPQLLQWLFQLLTWPPETSSRAFGLLWDLSDGLFRQPDDEM
 HFWCPSLQEVKEVFFSSLGAYNPALYPQPFQHSARVLESEASLDSQDPPQEVALDIKLNYYKFLTLCLL
 VRPVSYTDASILDLMELLCRAGLDVGLCLLPKTDLQQLLLLLLRIQEWPGLQPLCCALSWVSDHHHNL
 LALVQFFLDVTPRGRQLRSQSLVVIARMLGQESLPSAEKTQLALLSQLSLMRPSSLRQCLGIETLP
 SSLGQHSKASAELDYKVCYLCHSLTLTLAGVVVSSQDITPNQWGLQLLCMQLDRHISTHIRESPQAMHRT
 KLKDLATQTYIRWQDLLAHCQPQGYFSPWKDI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

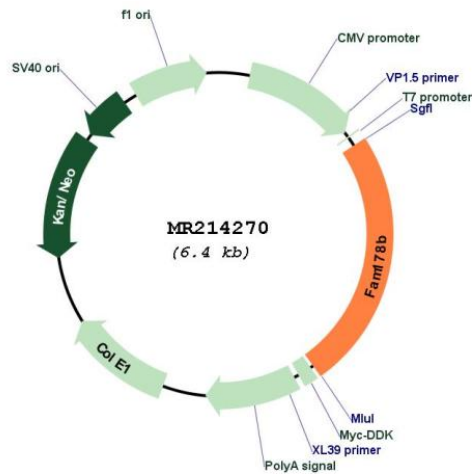
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_001126046
ORF Size:	1569 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_001126046.1 , NP_001119518.1
RefSeq Size:	2286 bp
RefSeq ORF:	1572 bp
Locus ID:	381337
UniProt ID:	Q24JP3
Cytogenetics:	1 B
MW:	59.8 kDa