

Product datasheet for **MG204621**

Fam178b (NM_201365) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam178b (NM_201365) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fam178b
Synonyms:	1700024G10Rik; Gm990
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204621 representing NM_201365 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAAGTCCAAGCCAACAGGCTGGGACCCAGAGATTTCTCTGGGAGCTCACAATGCTACATCAATA
ACTTAGATTACTACTGCAAGAAAAGAGGATGCTGGTGGAGAAGTTCTCCGTGCCCTGCAGGTCATCTC
GCCAGTGCATCCGGGTGAACTGTATTCTTGCCTAGGCCGTCACCCTTTCCTTGCCTTCTGGACTCCTCT
CGTCTAAAGCCGCACAGCCATTGGAAGAGCTGTTCTCAGGTCCTCGCTGCCGAGCAGCTCTCCTTCC
TACACAATGGCCTCCTGAGCAACCTCTACCTGCATGCTGCTGACTGCCCTCAGCCTCTGCTGCAGTGGCT
GTTCCAGTTGTTAACATGGCCTCCAGAAACATCTTCAAGAGCTTTTGGCCTCCTCTGGGATCTCAGTATA
GATGGACTGTTCCGTGAGCCTGATGAAGACATGCATTTCTGGTGTCCCTCACTGCAGGAGGTCAAAGAGG
TGTTCCAGCAGCCTGGGAGCCTACAACCCCGCCCTGTACCCACAGGGGCCCTTCCAGCACGGCGCAAGGGT
GCTTGAGAGTGAGGCCAGCCTGGATTACAGGATCCTCCCAGGAAGTGGCCTTGACATTAAGTTGAAC
TACATCTACAAGTTCTGACCCTGTGTCTCCTAGTCCGGCCAGTGTCTACACGGATGCCAGCATCTTGG
ATCTGATGGAGCTGCTGTGCCGCGCAGGCTGGATGTAGGGTTGTGCCTGCTGCCAAGACTGACCTCCA
GCAACTCCTGCTCCTGCTGCTGGAGAGAATCCAAGAGTGGCCTGGAAAGCTCCAGCCCCTTTGCTGTGCC
CTGAGCTGGGTGCCGACCACCACAACCTGCTGGCCCTCGTCAGTCTTCTTGGATGTGACGCCTC
GGGGCAGGTGGTGCTTCTCAACCACATCCCACGGGATCTTTCAAGGATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204621 representing NM_201365
Red=Cloning site Green=Tags(s)

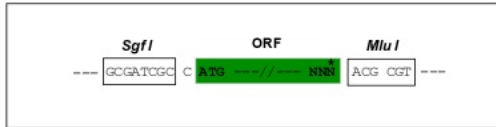
MASPSQQAGTPEISSGSSQCYINLLDYLLQEKRM LVEKFSVSLQVISPVHPGETVFLPRRHPLPCFLDSS
 RLKPHSPLEELFLRSSLP EQLSFLHNGLLSNLYLHAADCPQPLLQWLFQLLTWPETSSRAFGLLWDL SI
 DGLFRQPD E DMHF WCPSLQEVKEV FSSLGAYNPALYPQGP FQHGARVLESEASLDSQDPPQEV ALDIKLN
 YIYKFLTLCLLVRPVSYTDASILDLMELLCRAGLDVGLCLLPKTDLQQLLLLLL LERI QEWP GK LQPLCCA
 LSWVSDHHHLLALVQFFLDVTPRGRWVLLNHIPRDL SRI

TRTRPLE - GFP Tag - V

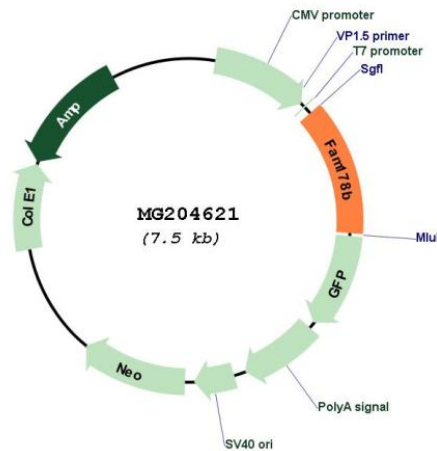
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_201365

ORF Size: 960 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_201365.1 , NP_958753.1
RefSeq Size:	1575 bp
RefSeq ORF:	1140 bp
Locus ID:	381337
UniProt ID:	Q24JP3
Cytogenetics:	1 B