

Product datasheet for **MG226693**

Fam120c (NM_198105) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam120c (NM_198105) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fam120c
Synonyms:	D930001I21Rik; ORF34
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG226693 representing NM_198105 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGCTCCAGGGCTTCCAAGAGTTCCTGGAGAAGCGCTGTCCCGGGCTGTGGTGCCTGTGGACCTCC
TCAAACCTCGCGCACCGTCTCGCGCCAGCAGCAGCAGCACCTGCACCGCCAGCTGCCGCCAGCAGC
CCTAGCGCCAGGGGCTCCACGCATCACCAGGGGCTGTCTCTCTGCCCGCCGCCCGCTCCCGCCCGCT
GCCTTTGGTGCTTACTCCGGGGCGCGGGCCGCTCTCGGCACCATCACCTGCTCACCATTCCACCACC
ATGGCCAAGCGCCAGGGCTGCATCCCGCCGCCCCCTCCGCTGCCTGGGGCTCGGGTATTGGTAGA
CGCGGGCTCGGCCTGCCGCGGCTATGGTGGCTACCAGACGGATTGGGTTTGTGGCGCCAGTGGAA
GCCATGCTGGGCTACTTGTGAGCGCTGTGCCAGGCTTGTCCATCCGGGCGGAGACGGCCCTGGAGCTGG
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GCAGACTGCGCAACTGATCGTGGGACACGTGGGCAACAAGGGCACCCCTCCACCGCGGGCCTGGTTCCTG
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TTGAAGACCACCATTTGGAAGTGGTGGCTTTTTTTCAGAGAGAATGGCTTTCATGGTCTTCTGTCTCAGCA
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AAGAACCCTACAACCAACAGTTCCTGATGCAGGAAGTGGCCAAGCAGCTGGGTTTGAAGCGAATGAAT
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CCATAGTGTGGGGAATCCCATGCTTTCTGAGGATGCCATGCTGCAGGACAATTCCTTTGCCAATTGG



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GCTGTTTCTTATGACTCTAATACATCCCAGTTTCCTAACTGCCTGACTTCCAAAACCTTCACCTCCTTTGG
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 AGAACCATGTACCAGAGCAAGAGCTGGAAGCTGTGGCCCAACAGAAAGAGGAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG226693 representing NM_198105
 Red=Cloning site Green=Tags(s)

MGVQGFQEFLEKRCPGAVVPVDLLKLARTVSRQQQQHLHRQLPPAALAPGAPRITRGSAPLPPPLPPA
 AFGAYSGGAGPSRHHPAHFHGGQAPPGLHPPPPPLPGARVLDAGSALPRLYGGYQTDWVCGGQWN
 AMLGYLSALCQACAYPGDGLLELVMFPGGGLKDRLEAWGRRQAERQTAQLIVGHVGNKGTPPRAWFL
 PPAACLSHCVRLLIRFRVKVFQSLLEDHLEVVAFRENGFHLLAHDSEYALYNIPSYSSHALKLSWNG
 KNLTTNQFLMQEVAKQLGLKRMNFPIFAALLGNHILPDEDLAAFHWSLLGPEHPLASLKVRAHQLVLPPC
 DVVIKAVSEYVSSIKDPSNLDVVGKDVFKQSQSRTEKIERFKKAVEYYSVTTKLSLPLVGPSFLGFRNN
 RLGNPPLPRNQMGPI SPGKPMFSRQVPQKMKYPPPFPMGPNSLLF SHSVGESHAFSEDAMLQDNFANW
 AVSYDNTSQFPNCLTSKTSPPGLPDSSSHSSSDGDEANGAGSEQITEAVQQQPGWEDPNGDRGAWGQPA
 DAGVSETTVAESEPHIPSLLSMSTRNHMDITIPPLPPVAPEVLRVAEHRHRRGLMYPYIYHVLTKGEIKI
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 TPPELVSALTFREWTCPNLKKLWLGKAVEDKNRRMRAFLACMKSDTPSMLNPANVPTHLLMCCVLRVMVQ
 WPGGRILHRHELDTFLAQAVSTQLYEPDQLQELKIEKLDARGIQLAALFMSGVDALFANDACGQVPVWE
 HCCPWIYFDGKLFQSKLIKAGRERVSVELCDGQADLASKVEKMRQSILEGVNMNHPPPSALLPSPTFVP
 PMVPSLYPVSLYSRAMGSFPPPPQARSRGFAGLHPIPPQGGKLEIAGMVVQWAGSRSSRSRSGFMQV
 SVGGPGKHGKEQAGRSGKHKKGNKQSSDVISKAVELHQSRARSQVNGNNGTLIVEEKSDPLPAPSQC
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TRTRPLE – GFP Tag – V

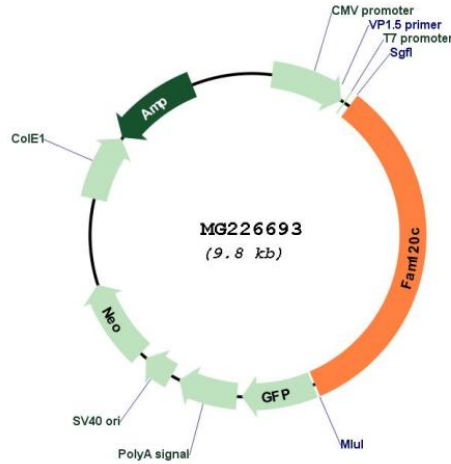
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN: NM_198105

ORF Size: 3273 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:	<u>NM_198105.2</u> , <u>NP_932773.2</u>
RefSeq Size:	7709 bp
RefSeq ORF:	3276 bp
Locus ID:	207375
UniProt ID:	<u>Q8C3F2</u>
Cytogenetics:	X F3