

Product datasheet for **MR204935**

Fam83f (NM_145986) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Fam83f
Synonyms:	AW544981
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >MR204935 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCCGAGTCCCAACTGAGCTGCCTGGACGAGGCGCACGTGAACGAGAGGGTGACCGAGGCACATGCAG
 CTTTCTACTACTGCGAGAGGCGGCGGCCGCGCTGGAGGCGCTGCTGGGTGGAGGCGAGCAGGCCTACCG
 CGAACTGGTCAAGAAGGAGCGGCTGCGGGACTTCTCTCCAGCCAGGAGCGCCAGGCCCTCTGCGCCGCC
 TGGAGCCCCACGAGGAGGCGAGTCTCCAGCACCCGTGCCAAGGCTAAGGCCAAGGCCAAGTCCCGGCC
 AGCCCACTGAGTCCCTGGCTACTGGCCAGACCGCTCGGACACCGAAGTCCCCCACTGGACCTGGGGTG
 GACAGACACCAACTTCTACCGCGGTGTAGCCGAGTACGCTCTTCAACCACCGGCCAAAGAGAAGAAG
 GCACCGCACCTGAAGCAGGTGGTCAGGCAGATGATCCAGCAGGCCAGAAGGTCATTGCTGTGGTCATGG
 ATCTTTTCTGATGGGATATATTCCAAGACATTGTGGATGCTGCCTGTAAACGCCGGTTCCTGTATA
 CATCATCTGGATGAGGTGGAGTAAATACTTTTGGAGATGTGTCAGGGCCTAGAGCTTCGAGACTTC
 CGCATTCGGAACATCCGTGTCCGCTCTGTGACAGGAATTGGGTTCTACATGCCATGGGGAAGATCAAGG
 GGACTCTCTCATCAAAGTTCCTGATGGTCGATGGGGACAAAGTAGCTACCGGCTCTTTCAGCTTTACCTG
 GAGTCCTCCTATGTGGACAGGAATCTCCTCTTGCTCCTGACAGGACAGAACATGGAGCCCTTTGACATA
 GAGTTCGGGAGCTGTATGCCATCTCGGAGGAAGTGAACCTGCACGACACCTGGGCTGGCAGGCAGGA
 TTGGCCTCAACTACTCCTCCAGGTAGCTCGAAAGCTTATCAACCCCAAGTACGCATTGGTGGCAGGCAC
 CCGCCGCTCTCCAGGAGAGATGATGCGCTGGGCGGCCGCGCAGCAGCAGAAAGTGGTGGCAACGTAGAG
 GGGCAGGAGGAGGCGAGTGGCGGTGGTGAATCTGCCCGCGCTCTGGAGAGCTTTCTGAATGACCTGGTCA
 CAGTAGAGCAGATATTGCCACTGTGGAGCCATTTCCCAAGATTGCAGAGACCTACCAATGGCAGACC
 GGTCTCTCATGCACACAGACGCGAAGCAGAGTCCCGAGAGGCACTGCCCCAGAATGGCAAGGGAGAA
 GCTGCCAATGGGAGGCCACCCAGCAAGGAGGGCAAACGCTTCAGCAGCAGGCTCTTCAGCCGTCGAG
 TGAAGAGGCTGCAGTGGCCAGCAGATGGCCAGCTCCCCCTCCACTGAGACGTTTGCCGATGTGGAGTT
 TCCTCTGGGAAAGAGGCACAATGAGGGTCCAATGCCAACATATCAGGTAAGGAATACCAAGGCCAGC
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

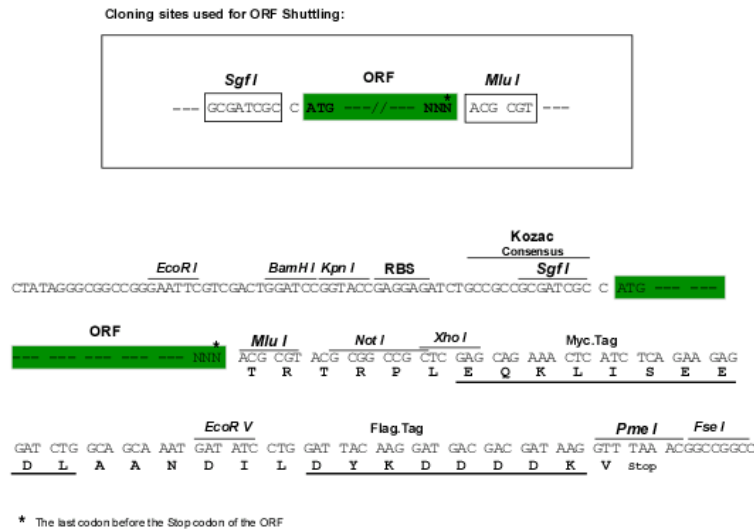
Protein Sequence: >MR204935 protein sequence
 Red=Cloning site Green=Tags(s)

MAESQLSCLDEAHVNERVTEAHAFFYYCERRRAALEALLGGGEQAYRELVKKERLRDFLSSQERQALCAA
 WSPYEEAVSSTRAKAKAKAKVPAQPTESLAYWPDSDTEVPPLDLGWTDTNIFYRGVSRVTLFTHPPKEEK
 APLHLKQVVRQMIQQAQKVIADVMDLFTDGDIFQDIVDAACKRRVPVYIILDEGGVKYFLEMCQGLELADF
 RIRNIRVRSVTGIGFYMPMGKIKGLSSKFLMVDGDKVATGSFSFTWSSSYVDRNLLLLLTGQNMFPDI
 EFREL YAISEEVNLHQHLGLAGRIGLNYSSTVARKLINPKYALVAGTRRPPGEMMRWAARQQREAGGNVE
 GQEEGSGGGESARRLESFLNDLVTVEQILPTVEPI SPRLQRPTNGRPVSHAHTDAKHRSREALPQNGKGE
 AANGEATPAKEGKRFSSRLFSRRVKRPVPSSMASSPSTETTFADVEFPLGKRHNEGSNANISGKGITKAS
 NCVIS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_145986

ORF Size: 1485 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_145986.1](#), [NP_666098.1](#)

RefSeq Size: 3010 bp

RefSeq ORF: 1488 bp

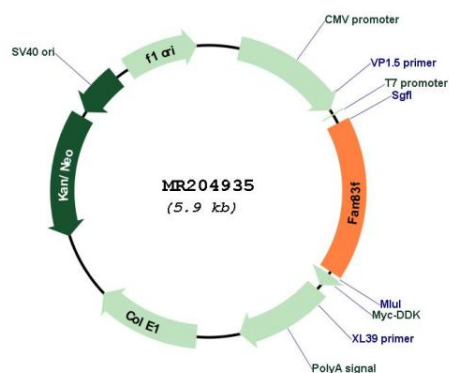
Locus ID: 213956

UniProt ID: [Q3UKU4](#)

Cytogenetics: 15 E1

MW: 55 kDa

Product images:



Circular map for MR204935