

Product datasheet for **RC226948**

FAM157A (NM_001145248) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	FAM157A
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC226948 representing NM_001145248
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGGGCCTTTGTTCAACCACCATTCCTGGTGCCATTCTGGTCCCATGCGTCCTTGCCCAAGAAACACG
TAGAACCCATGGCAGTGCAGACGTCTTCTGGCACTCCACCATGATCAGGCACACTTGCCCATGTC
TGTCCTCGTTGAGCCGGCAAGTCAAGGAAGTTGCTGCCAGAAACCAAGTGAGGACATTTACAAGAACTGG
CAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAACTGGATTTGCTTTTTCAACGAGGATCC
AGATTTCCCTGTGGCTCGCAAACAAAAAGAAGGAAGACGGAGCAGCAGTCATCCCTTTGTGAAAAA
GGCATTACAGTTCTCCGCCGGCTCTGGCTGCGGGCGGCCCTCATCTAACAAGATGCTTCGGTCCATGGGT
GGAGGACAAAGCCTACGGGCTTGGGGAGCGAGTTCTTTCGTCTCCTACATGACCTTCATCTGCTCGCGT
TTGCCATGAAGCGCATCTGGATCCACCGGAGGGGCGAGGCCACAGCTCGACCGCAGCACCTGAGCATCC
TGCACCGCTGCGACGGCCGTAGGGGGCGCGATGCCGCTCACAGAACCTCAAGCGGCGCCCGGGTTCC
GGCACAGACGGCTGCGGCTCCAGGGGGCGAGCCGAGCCGTCTCCTCAGGACCTACGCAGGAGGCGCCG
TCATCCCTACAGGACACCTGAGAGGGCCAGCCTCCTCCTCCTCAGGACCCACTCGGGAGACGCCGCTG
GCTCTCTAGGAACCTGGGGACCGTGGCCAGGGACGACCCAGCCTCCTCTCCTCAGCTCCTCAGGAAC
GACTGGGGAAGCTGTGGCTTCATGGTCCCCGAGGCTGCCGAGGAAAGGATTTTCAGGACAGCCAGGAGG
GGGCGCACATCCGCCGAGAACTGTGAGCAAGAGCGTCTGTGCTGAACCATGGCGCCACAGAGGGCGCG
CGATCCCGCCCAACCACTTCCCGCTGAGGTGCCAGAAGCAGCGAGGAGCTTCAGTTCTCAGGGCAG
CACGAGGGTCGTGTTAACTTGGTGTCTTCATTGGTTCCCAACAGTTATTGCTGTACCAGATTGCAGT
GTCCACAAAATACTCCGGTATGTTGTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGAAATGATATCCTGGATT
ACAAGGATACGACGATAAGGTTTAA



Protein Sequence:

>RC226948 representing NM_001145248

Red=Cloning site Green=Tags(s)

MGPLFTTIPGAHSGPMRPLPKKHVEPMAVRQLLGNSTMIRHTCPMSVPLSRQVKEVAAQKPSEDIYKNW
 QQQQQQQQQQQQLDLLFHQRIQISLWPRKQKRRKTEQHSHPFVKKAFFRSAGSGCGRPSSNKMLRSMG
 GGQRPTGLGSEFFRLLDLHLLAFAMKRIWIHRRGEATARPRAPEHPAPPATAVGRDAASQNLKRRPGS
 GTDGLRLQGAEPSRLRLTYAGGAVIPTGTPERAQPPPPQDPLGRRRWLSRNTWGPWP GTTQPPSPQLLRN
 DWGSCGFMVPEAARGKVFQDSQEGAHIRRETVSKSVCAEPWRHQRARDPAPT NFPLRCQKQRGASASSGQ
 HEGRVNLVFFIGSPTVIAV PDLQCPTKYSGLY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

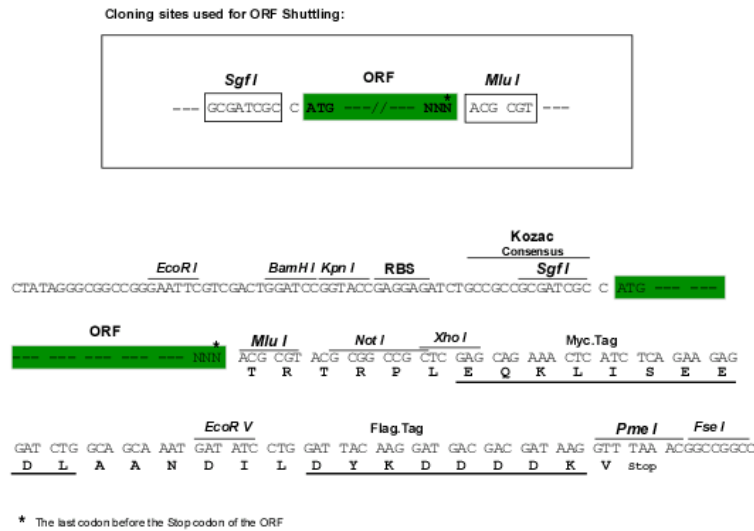
Chromatograms:

https://cdn.origene.com/chromatograms/mk8032_g03.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN:

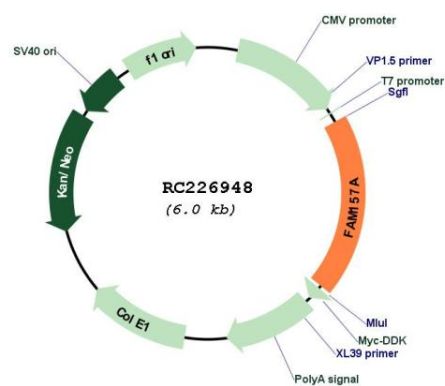
NM_001145248

ORF Size:

1149 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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_001145248.1 , NP_001138720.1
RefSeq ORF:	1152 bp
Locus ID:	728262
Cytogenetics:	3q29
MW:	42.7 kDa

Product images:



Circular map for RC226948