

Product datasheet for RR213071

Fech (NM_001108434) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fech (NM_001108434) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fech
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR213071 representing NM_001108434 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTTTCGGCCGGCCCAACATGGCTGCGGCCCTGCGGGCTGCGGGCGCTCTGTTCCGCGAGCCGCTGG
TGTATGGCAGCTCGAGGGCCTGTCAGCCATGGAGGTGCCAATCGGGTCCAGCAGTGGTGGCCACTACGGA
GAAAGCGCATCATGCCAAAACCACAAAACCACAAGCTCAACCAGAAAGGAGGAAGCCAAAACGGGCATA
TTAATGTTAAACATGGGAGGCCCGAAACCCTTGGAGAAGTTCAAGACTTCCTTCAGAGGCTCTTCCTGG
ACCGAGCCTCATGACCCTTCCATTCAAATAAGCTGGCACCATTTCATCGCCAAAACGGCCGAAACCCCAA
AATTCAAGAGCAGTATCGCAGAATCGGAGGTGGATCCCCATCAAGATGTGGACTTCCAAGCAAGGAGAA
GGCATGGTGAAGCTGCTGGATGAGCTGTCCCCTGACACAGCACCTCACAAATACTATATTGGATTCCGGT
ACGTCCATCCCTTGACAGAAGAGGCAATTGAAGAGATGGAGAGAGATGGACTAGAAAGGGCCATTGCTTT
CACACAGTATCCACAGTACAGCTGCTCCACCACAGGCAGCAGCTTAAATGCCATTTACAGATACTATAAC
GAGGTGGGGCGGAAGCCACCATGAAGTGGAGCACTATCGACAGGTGGCCACGCACCCCTCCTCATCC
AGTGCTTTCAGACCACATTCTGAAAGAGCTGGACATTTCCAGAGGAGAAGAGAAGTGAAGTGGTGCAT
TCTGTTTTCTGCCACTCCCTGCCGATGTCTGTTGTCAACAGAGGGGACCCCTATCCCAAGAGGTAGGA
GCCACTGTCCACAGATCATGGAGCAGTGGGTTATCCGAACCCCTACCGACTGGTCTGGCAGTCCAAGG
TTGGTCCAGTACCCTGGTTGGGCCCTCAAACAGATGAGGCTATCAAAGGGCTTTGTGAGCGGGGAGGAA
GAATATCCTCTTGTTCCAATAGCATTTACCAGTGATCACATTGAGACCTTTATGAACTGGACATTGAA
TACTCTCAAGTGTAGCTCAGAAGTGTGGAGCTGAAAACATCAGAAGAGCAGAGTCTCTTAATGAAATC
CATTGTTCTCAAAGGCCCTTGCTGACCTGGTGCCTCCACATCCAGTCAAACAAGCTGTGCTCCACGCA
GTTGAGTCTGAGCTGTCCGCTCTGTGTAATCCTGTCTGCAGGAAGACTAAATCCTTCTTACCAGCCAA
CAGCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR213071 representing NM_001108434
Red=Cloning site Green=Tags(s)

MLSAGANMAAALRAAGALFREPLVYGSSRACQPWRCQSGPAVVATTEKAHHAKTTKPAQPERRKPKTGI
 LMLNMGGPETLGEVQDFLQRLFLDRDLMTLP IQNKLAPFIAKRRTPKIQEQYRRIGGGSPIKMWTSKQGE
 GMVKLLDELSPDTAPHKYIIGFRYVHPLTEEAIEEMERDGLERIAIAFTQYPOYSCSTTGSSLNAIYRYYN
 EVGRKPTMKWSTIDRWPTHPLLIQCFADHILKELDHFPEEKREVVILFSAHSLPMSVVNRGDPYPQEVG
 ATVHRVMEQLGYPNPYRLVWQSKVGPVWLGPTDEAIKGLCERGRKNILLVPIAFTSDHIETLYELDIE
 YSQVLAQKCGAENIRRAESLNGNPLFSKALADLVHSHIQSNKLCSTQLSLSCPLCVNVCVKTKSFFTSQ
 QL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2196_b09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001108434

ORF Size: 1266 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.

RefSeq: [NM_001108434.1](#), [NP_001101904.1](#)

RefSeq Size: 2964 bp

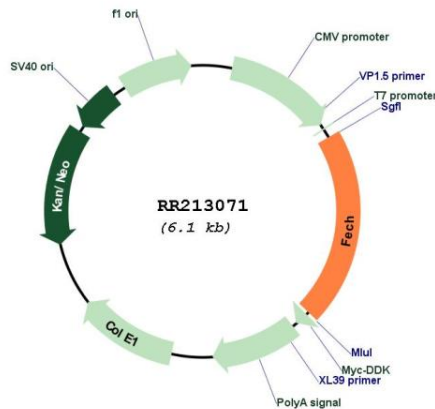
RefSeq ORF: 1269 bp

Locus ID: 361338

Cytogenetics: 18q12.1

MW: 48 kDa

Product images:



Circular map for RR213071