

Product datasheet for MR221998

Faap20 (NM_001190445) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Faap20 (NM_001190445) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Faap20
Synonyms: 2610002J02Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR221998 representing NM_001190445
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGGAGGAGCGGAGACTGCGGGGGAGGCTGAGCCGTCGGAGGCCGCCCGGGGGGGCGGGCCCCCTA
 ACTGCCGCCCTTGGTTTCTCTCGGAGGGAAGTAAGAGTGAGCCCTGGGCTGCTCTGTTGCGCAGCACCGT
 GAGCGGGACCGCGGATTGGACCCGAACCGTCAGCCATTACCACCGCTGCCTGCTTTCCAGCCAGGAG
 TCTCTACCTGACCAGAGTCCACTGTGCCTCCTGAGGCCCTCACTGTGGGATCCAAGACTTCTCCTGGA
 CGCCTTTGCCACCTGCCCTTCGTGGCTCTGGAAGCTCCCGCCACCTGTTCTGTGAACCTGAAGGCTCCCT
 GGGGTCACTACTCCATCCCTGAAAGGATGCCCTGCACTAAATTCTGGTGAACCTCCAGCGCCAGGAG
 TGTGTGCCTGTGCAGAGTCCACTTGCGTTGCTGAGTTGCCCGTTGTGCCAGAAGGCGTTTGACCCGAAGC
 TGACCCAGCTAGATGTGGATAGCCACCTTGCTCAGTGCTTGCTGAGTGACCCGAAGATGTGGTGTGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR221998 representing NM_001190445
 Red=Cloning site Green=Tags(s)

MEEERRLRGRLSRRRPPAGGGPPNCRPWFLSEGSKSEPWAALLRSTVSGTADWTPNRQPLPPLPAFPSQE
 SLPDPSTVPPEAFTVGSKTFSWTLPALRGSGSSRHLFCEPEGLSGSPTPSLKGPALNSGRTPSAQE
 CVPVQSPLALLSCPLCQKAFDPKLTQLDVDSHLAQCLAECTEDVVW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9045_g07.zip



[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001190445

ORF Size: 558 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.

RefSeq: [NM_001190445.1](#), [NP_001177374.1](#)

RefSeq Size: 1076 bp

RefSeq ORF: 561 bp

Locus ID: 67513

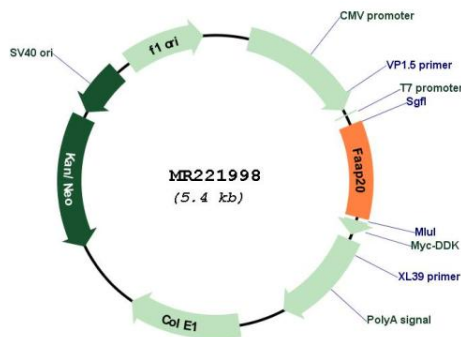
UniProt ID: [Q3UN58](#)

Cytogenetics: 4 E2

MW: 20.5 kDa

Gene Summary: Component of the Fanconi anemia (FA) complex required to recruit the FA complex to DNA interstrand cross-links (ICLs) and promote ICLs repair. Following DNA damage recognizes and binds 'Lys-63'-linked ubiquitin generated by RNF8 at ICLs and recruits other components of the FA complex. Promotes translesion synthesis via interaction with REV1 (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR221998