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Product datasheet for RR204763

Faap20 (NM_001108698) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Faap20 (NM_001108698) Rat Tagged ORF Clone

Tag: Myc-DDK

Symbol: Faap20

Synonyms: RGD1308923

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

Cell Selection: Neomycin

ORF Nucleotide Sequence:

>RR204763 representing NM_001108698
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGGAGGAGCGGAGGCTGCGGGGGAGGCTGAGCCGCCGCAGGCCGCCCGCAGGGGGCGGGCCCCCTA
ACTGCCGCCCCTGGTTTCTCTCGGAGGAAAGTAAGAGTGAGCCGTGGGCTGCTCTGCTGCGCAGCACCGT
GGGCGGGAACACGGATTGGACCCCGAACAGTCAGCCATTACCACCGCTGCCTGCTTTTCCCAGCCAGGAA
TCTCTGCCTGACCCAGAGTCCACTGTGCCTCCTGAGGTCTTCACTGTAGGATCCAAGACTTTTTCCTGGA
CGCCTTTTCCGCCTGCCCTTCGTGGCTCTGGAAGCTCCTGCCGCCTGTTACGTTGTCCTGAAGGCTCTCC
GGGGTCACCTGCTCCATCCCTGAAAGGATGCCCTGCACTGGATTCCCGTCAAACTCCCAGCACCCAGGAG
TGTGTGCAGAGTCAACTTGTGTTGCTGAACTGCCCATTGTGCCAGAAGGCATTTGACCCGAAGCTGACCC
AGCTAGATGTGGATAGCCACCTTGCTCAGTGCTTGGCTGAAAGCACAGAAGACGTGGTGTGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR204763 representing NM_001108698
Red=Cloning site Green=Tags(s)

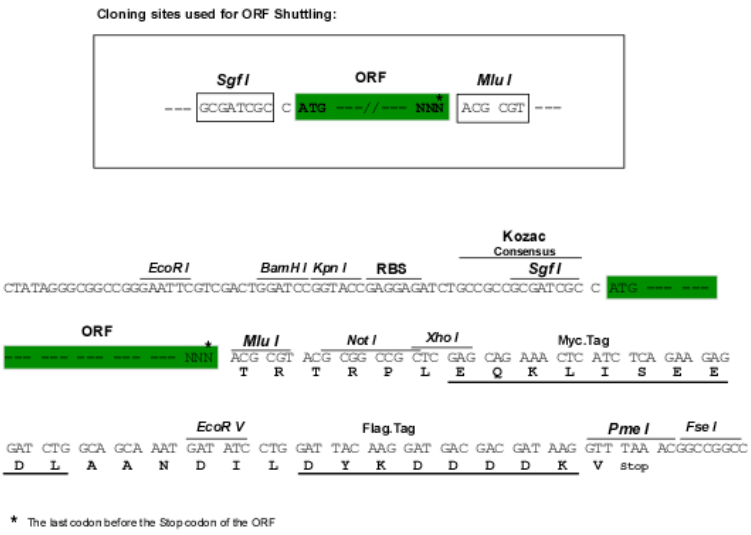
MEEERRLRGRLSRRRPPAGGGPPNCRPWFLSEESKSEPWAALLRSTVGGNTDWTPNSQPLPPLPAFPSQE
SLPDPESTVPPEVFTVGSKTFSWTPFPPALRGSGSSCRLLRCPEGSPGSPAPSLKGCPALDSRQTPSTQE
CVQSQLVLLNCPLCQKAFDPKLTQLDVDSHLAQCLAESTEDVVW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

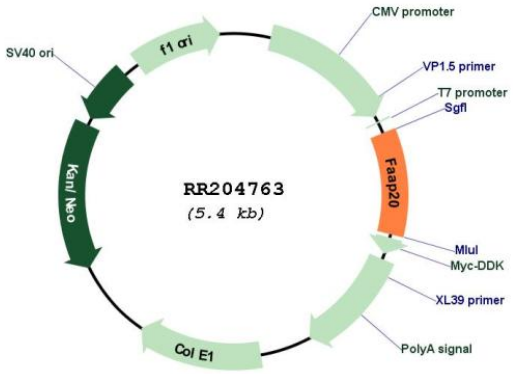
Restriction Sites: SgfI-MluI

View online »

Cloning Scheme:



Plasmid Map:



ACCN: NM_001108698

ORF Size: 552 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_001108698.1, NP_001102168.1
RefSeq Size:	1268 bp
RefSeq ORF:	555 bp
Locus ID:	362678
UniProt ID:	D4AAA5
Cytogenetics:	5q36
MW:	20 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]