

Product datasheet for RC212147

FBF 1 (FBF1) (NM_001080542) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FBF 1 (FBF1) (NM_001080542) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FBF 1
Synonyms:	Alb; FBF-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC212147 representing NM_001080542 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCACCAAAAACCAAGAAAGGATGTAAGTGACACTACCTGAGAAGCCTGTTAACTAGCTTCACATA
CCAGAGACACCACAGGTGTATCTCAGATGTTCCCTTCTCAAAGGCGAGAACAAGTCCCTCCTGGGTGA
TGATGTCTTCAGCACCATGGCAGGCCTGGAAGAAGCTGATGCTGAGGTTTCAGGTATCTCAGAGGCAGAC
CCACAGGCTCTGCTCCAGGCCATGAAGGACCTGGACGGCATGGATGCTGATATCTTAGGTCTGAAGAAAT
CTAATTCAGCCCCTAGCAAAAAGCTGCAAAGGACCTGGGAAAGGAGAGCTGCCCAACCCCAAGCC
TGCAGGGGGTGCATTCCACCAAGAAGTCACTCCGTCTCCCAGCAGCTCTGGGCATCAGAACAGGAGG
TTTTCTCTGAAGACTTGGAAGACCCATTGAGAGGACTTCTCTCCTATGATGAAGGAGGAATCACCAAGC
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GGGCACCGGGGAGCACAGGGAGTTCAAGCTAGACAAGAAGTACCAGAGGCCACAGGACAGTGAAGATATG
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CCCTCCAATGGCTTCCAGCCCCATCCAGCCCAGGAAGGGAGGAGCTGACTGGTTGGCCCTCAAGGACGAG
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GGTGTCTCGGGTCCCCTGTGACTCAGAACCATGCCGCCCTCAGCACTCCCTACAGTTCCCCAAAGAGGG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC212147 representing NM_001080542
 Red=Cloning site Green=Tags(s)

MAPKTKKGCKVTLPEKPVKLASHTRDTTGVSQMFSSKARTKSLLGDDVFSTMAGLEEADAEVSGISEAD
 PQALLQAMKDLGMDADILGLKKSNSAPSKAAKDPGKELPNHPKPAGGAIPTKKSLSPPSSSGHQNR
 FSEDELEDPLRGLLSYDEGGITKQPPVTQSKTASDKSPSTVRDQGPSIPLTPGDTPIRKKEELLFDDGDD
 IMATLGFSDSPKAERQIGDQEGPRPARSTLDELLGRGMATKLLARPGTGEHREFKLDKKYQRPQDSEDM
 WGDEDFTFGAYQPTVVSSEGRQSRRRQSVRFFADSGADPKGEPGSKQSPPMASPIQPRKGGADWLGKDE
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 SKVASEKYEGERALREAQQVQAEQQARLQAVQQQERLRKQEQMHQEHLSLAQQRLQLDRARQDLPS
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 LKKGSYNLTSHA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8026_g08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

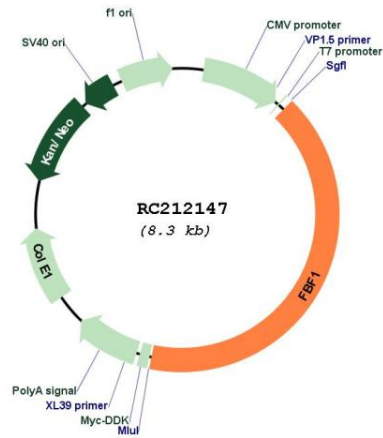


ACCN: NM_001080542

ORF Size: 3399 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:	<ol style="list-style-type: none"> 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_001080542.1 , NP_001074011.1
RefSeq Size:	3862 bp
RefSeq ORF:	3402 bp
Locus ID:	85302
Cytogenetics:	17q25.1
MW:	125.3 kDa
Gene Summary:	Keratin-binding protein required for epithelial cell polarization. Involved in apical junction complex (AJC) assembly via its interaction with PARD3. Required for ciliogenesis. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC212147