

Product datasheet for **RC237144**

EB3 (MAPRE3) (NM_001303050) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: EB3 (MAPRE3) (NM_001303050) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: MAPRE3
Synonyms: EB3; EBF3; EBF3-S; RP3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC237144 representing NM_001303050
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCGTC AATGTGTACTCCACATCTGTGACCAGTGAAAATCTGAGTCGCCATGATATGCTTGCATGGG
TCAACGACTCCCTGCACCTCACTATACCAAGATAGAACAGCTTTGTTTCAGGGGCAGCCTACTGCCAGTT
CATGGACATGCTCTTCCCGGCTGTGTGCACTTGAGGAAAGTGAAGTTCCAGGCCAACTAGAGCAGCAA
TACATCCACAACCTCAAGGTGCTGCAAGCAGCTTCAAGAAGATGGGTGTTGACAAAATCATTCCCTGTAG
AGAAATTAGTGAAAGGAAAATCCAAGATAATTTTGAGTTTATTCAGTGGTTAAGAAAATCTTTGACGC
AACTATGATGGAAGGATTACAACCTCTGCTGGCGCGCAGGGCCAGGACGTAGCGCCACCTCCTAAC
CCAGGTGATCAGATCTTCAACAAATCCAAGAACTCATTGGCACAGCAGTTCCACAGAGGACGTCCCCCA
CAGGCCAAAAACATGCAGACCTCTGGCCGGCTGAGCAATGTGGCCCCCCTGCATTCTCCGGAAGAA
TCCTCCATCAGCCGAAATGGCGCCATGAGACTGATGCCAAATCTTGAACCTCAACCAACAGCTGGTG
GACTTGAAGCTGACAGTGGATGGGCTGGAGAAGGAACGTGACTTCTACTCAGCAAACCTCGTGACATCG
AGCTCATCTGCCAGGAGCATGAAAGTGAACAGCCCTGTATCTCAGGCATCATTGGCATCCTCTATGC
CACAGAGGAAGGATTCGCACCCCTGAGGACGATGAGATTGAAGAGCATCAACAAGAAGACCAGGACGAG
TAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237144 representing NM_001303050
 Red=Cloning site Green=Tags(s)

MAVNVYSTSVTSENLSRHDLAWVNDLSHLNYTKIEQLCSGAAYCQFMDMLFPGCVHLRKYKFKAKLEHE
 YIHNFKVLQAAFKKMGVDKIIPVEKLVKGGKFDNFEFIQWFKKFFDANYDGKDYNPLLARQGQDVAPPPN
 PGDQIFNKSKKLIGTAVPQRTSPTGPKNMQTSGRLSNVAPPICILRKNPPSARNGGHETDAQILELNQQLV
 DLKLTVDGLEKERDFYFSLRDIELICQEHESENSPVISGIIGILYATEEGFAPPEDDEIEEHQEDQDE
 Y

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

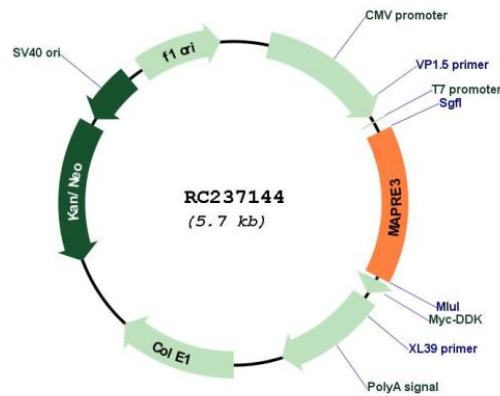
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001303050

ORF Size: 843 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_001303050.2
RefSeq Size:	1965 bp
RefSeq ORF:	846 bp
Locus ID:	22924
UniProt ID:	Q9UPY8
Cytogenetics:	2p23.3
MW:	32.4 kDa
Gene Summary:	The protein encoded by this gene is a member of the RP/EB family of genes. The protein localizes to the cytoplasmic microtubule network and binds APCL, a homolog of the adenomatous polyposis coli tumor suppressor gene. [provided by RefSeq, Jul 2008]