

Product datasheet for **SC321616**

EB3 (MAPRE3) (NM_012326) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EB3 (MAPRE3) (NM_012326) Human Untagged Clone
Tag:	Tag Free
Symbol:	EB3
Synonyms:	EB3; EBF3; EBF3-S; RP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_012326.2
 GCCGGAGACCGCGCGGCCTCAGCGAGGACCCTCCGCCCGGAGCCGCCGGCCGGAGCCG
 CAGCCTCTGCCGAGCGCCCCGCCACCTGTCCCTCCCCTCCGCTCCGCGGAGCCG
 CCTCGTGCACCTCTGGGGTATGGCCGTCAATGTGTACTCCACATCTGTGACCAGTAAAAAT
 CTGAGTCGCCATGATATGCTTGCATGGGTCAACGACTCCCTGCACCTCACTATAACCAAG
 ATAGAACAGCTTTGTTTCAGGGGAGCCTACTGCCAGTTCATGGACATGCTCTTCCCCGGC
 TGTGTGCACCTTGAGGAAAGTGAAGTTCAGGCCAAACTAGAGCATGAATACATCCACAAC
 TTCAAGGTGCTGCAAGCAGCTTTCAAGAAGATGGGTGTTGACAAAATCATTCTGTAGAG
 AAATTAGTGAAAGGAAAATTCCAAGATAATTTTGTGTTTATTTCAGTGGTTAAGAAATTC
 TTTGACGCAAACTATGATGGAAGGATTACAACCCTCTGCTGGCGCGCAGGGCCAGGAC
 GTAGCGCCACCTCCTAACCCAGGTGATCAGATCTTCAACAAAATCCAAGAACTCATTGGC
 ACAGCAGTTCCACAGAGGACGTCCCCACAGGCCAAAAAACATGCAGACCTCTGGCCGG
 CTGAGCAATGTGGCCCCCCTGCATTCTCCGGAAGAATCCTCCATCAGCCCGAAATGGC
 GGCCATGAGACTGATGCCAAAATCTTGAACCAACAGCTGGTGGACTTGAAGCTG
 ACAGTGGATGGGCTGGAGAAGGAACGTGACTTCTACTTCAGCAAATTCGTGACATCGAG
 CTCATCTGCCAGGAGCATGAAAGTGAAAACAGCCCTGTTATCTCAGGCATCATTGGCATC
 CTCTATGCCACAGAGGAAGGATTCGCACCCCTGAGGACGATGAGATTGAAGAGCATCAA
 CAAGAAGACCAGGACGAGTACTGAGGGCGGCCGAGCCCTGGCTGACTGCACAGCTTCCC
 CGTGCCTCCCTCCCTGCTCCACTCCCACATTATAGTCCTTTCCTAACACGGTCGGCCGGG
 TGCTTTGTGTGCTGCTGCAGCACTGGGGAGCCAGGCGAGGGGGGCTTGGGGGCATGGGG
 CCGGAAAGCAGGCAGAAGCCCGTCTGGGTGGTGTGCTGGCCAGTTGGTGGGACCCCTGTC
 CACACCCACCTATTTATTTCCGTTGTCTCTGCTGTGTGCCCCAACACTTCCCAGGGT
 GCTGCTGCCACCCGCCCCAGCCAGCCACTGCTCCTGACAGCCAGCAGCTGTGATTTGA
 CAAAGTCATTGGTATATTTTACTTACTGGATTCTCCTTGCACTTACCTGTTCTTTTCC
 AGAGCTGACAGCACGGGCTCCGGCGCAGTGTGCCTGGCTTGGCTTCCCTCCCCATGGCT
 GGGGGCTGGGGTAGGACTCACCCATTCTAATTTATTTTGTCTTTTGGCTTCTCAGTAGCT
 AAGGGGAAGGCTGATGTCAGGAGAGGGAGGGGGCTGAGGAGGTAGTGTGTAGGCCCA
 GGGGGTACAGGAAAGGGAGGGGGCATGTGAGGGATGGAATGACCTCCTGGCACCAGGC
 TCACCCACCCAAGGCCCTGCCACGACTGAATCCCAGCGCTGCCCTGAGGCCCCAG
 CCACTCCCTCCAGCAGCCTGGTTACCACACAACTCTGCCTGGACCCCATTTGTCTGTCT
 GCTTCCCACCTGCCCTCCCACCCCTGCCCTCGGGCACCAGCCTGCATATGTGTTAC
 TTTTATTTAAATAAACTGTGTGTTAAAAGTAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAC

Restriction Sites: Please inquire

ACCN: NM_012326

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_012326.2](#), [NP_036458.2](#)

RefSeq Size: 1880 bp

RefSeq ORF: 846 bp

Locus ID: 22924

UniProt ID: [Q9UPY8](#)

Cytogenetics: 2p23.3

Domains: CH, EB1

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]
Transcript Variant: This variant (1) represents the longer transcript. Both variants encode the same protein.