

Product datasheet for **RG237144**

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:	TurboGFP
Symbol:	EB3
Synonyms:	EB3; EBF3; EBF3-S; RP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237144 representing NM_001303050. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTGAAACCGTCAGAATTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCGTCAATGTGTAATCCACATCTGTGACCAGTGAAAATCTGAGTCGCCATGATATGCTTGCATGG
GTCAACGACTCCCTGCACCTCACTATAACCAAGATAGAACAGCTTTGTTCCAGGGCAGCCTACTGCCAG
TTCATGGACATGCTCTTCCCGGCTGTGTGCACCTGAGGAAAGTGAAGTCCAGGCCAACTAGAGCAC
GAATACATCCACAACCTCAAGGTGCTGCAAGCAGCTTTCAAGAAGATGGGTGTTGACAAAATCATTCTT
GTAGAGAAATTAGTAAAGGAAAATCCAAGATAATTTGAGTTTATTTCAGTGGTTAAGAAATCTTT
GACGCAAACTATGATGGAAGGATTACAACCTCTGCTGGCGCGCAGGGCCAGGACGTAGCGCCACCT
CCTAACCCAGGTGATCAGATCTTCAACAAATCCAAGAACTCATTGGCACAGCAGTTCACAGAGGACG
TCCCCCACAGGCCAAAAAATGCAGACCTCTGGCCGGCTGAGCAATGTGGCCCCCCTGCATTCTC
CGGAAGAATCCTCCATCAGCCCCGAAATGGCGGCCATGAGACTGATGCCAAATCTTGAACCAACCAA
CAGCTGGTGGACTTGAAGCTGACAGTGGATGGGCTGGAGAAGGAACGTGACTTCTACTTCAGCAAATC
CGTGACATCGAGCTCATCTGCCAGGAGCATGAAAGTAAAACAGCCCTGTTATCTCAGGCATCATTGGC
ATCCTCTATGCCACAGGAAGGATTCGCACCCCTGAGGACGATGAGATTGAAGAGCATCAACAAGAA
GACCAGGACGAGTAC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237144
 Blue=ORF Red=Cloning site Green=Tag(s)

MAVNVYSTSVTSENLSRHDMLAWVNDLHLNYTKIEQLCSGAAYCQFMDMLFPGCVHLRKVKFQAKLEH
 EYIHNFKVLQAAFKKMGVDKIIPVEKLVKGFQDNFEFIQWFKKFFDANYDGKDYNP LLARQGQDVAPP
 PNP GDQIFNKSKKLIGTAVPQRTSPTGPKNMQTSGR LSNVAPPCILRNPPSARNGGHETDAQILELNQ
 QLVDLKLTVDGLEKERDFYF SKLRDIELICQEHESENSPVISGII GILYATEEGFAPPEDEIEEHQQE
 DQDEY
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
 MGYGFYHFGTYP SGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



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).

RefSeq: [NM_001303050.2](#)

RefSeq Size: 1965 bp

RefSeq ORF: 846 bp

Locus ID: 22924

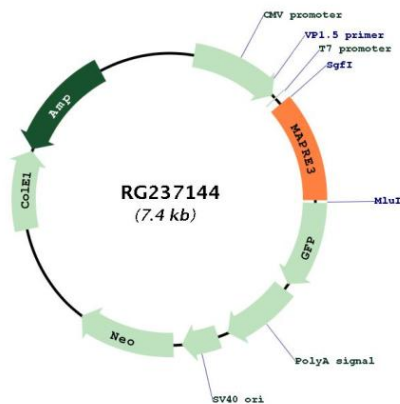
UniProt ID: [Q9UPY8](#)

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]

Product images:



Circular map for RG237144