

Product datasheet for **RR203258**

Epb41I3 (NM_053927) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Epb41I3 (NM_053927) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Epb41I3
Synonyms: Epb4.1I3; Kiaa0987
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR203258 representing NM_053927
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGGATCGCC

ATGACAACCGAATCAGGATCAGACTCAGAATCCAAGCCAGACCAGGAGGCTGAGCCCCAGGAGGCAGCAG
GACCTCAGGAGCAAGCAGGGGCACAGGCTGCACCTGAGCCTGCTGGCGAAACGTCGAGGAGCAGCCAGG
ACTAGAGCAGTCCCTGAAGCTGCTGCACACAGCACGCCGGTGAAGAGGGAGGTCAGCGACAAGACCGG
GACTTCGCCGCCGAGCTGCGAAACAGCTTGAGTATCAGCAGTTTGAGGACGATAAGCTCTCTCAGAAGT
CATCCAGCAGCAAACTCTCACGGTCCCCATTGAAGATCGTGAAAAGGCCTAAAAGCATGCAGTGCAAAGT
GACGCTTCTGGATGGATCTGAGTACGGCTGTGATGTAGATAAGCGCTCCCGAGGACAAGTGTGTTTGC
AAAGTGTGCGAACATCTGAACCTGCTAGAAAAAGACTACTTCGGTCTCACGTATCGAGACGCAGAGAATC
AGAAGAACTGGTTGGACCCTGCTAAGGAAATAAAAAGCAGATTCGAAGTGGTGTGGCATTTCATT
TAATGTGAAGTTTACCCACCAGACCCTGCCAGCTATCAGAAGATACACCAGGTAACCTCTGCTTG
CAGCTGCGAGATGATATTGTGTCTGGACGCCTACCCTGTTCTTCGTGACCCTCGCCCTGGGCTCCT
ACACAGTGCAGTCAGAGCTTGGGGACTATGATCCTGATGAATGTGAAATGACTACATTAGCGAGTTCCG
CTTTGCGCAAACACACGAAAGAACTGGAGGATAAAGTATCGAGCTGCACAAGAGCCACAGAGGAATG
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ACCACGCAAAGGATTCGGAAGGCGTGGAGATCATGTTAGGGGTCTGTGCCAGCGCCTGTTGATCTATCG
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TACATTAATAATCCGGCCAGGAGAGTTTGAACAATTCGAAAGCACCATTGGCTTCAAGTTGCCGAACCATA
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AGAGGTTGGTACAGGCCAGTACGCCACAACCAAGGTCATCTCTCAGACCAACCTGATCACCAGTGTGACC
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CCGTCGCAGCCCTCCGGCACGAGGGAAAGTCACCAGGGCATGGCTCTGACTCATGTCCCCTGTCACCTCC
 ATCAGCCCATCTTGACCCCTCCCTCTCCACAGAGCTCCGTAGGAGGTGCAAGGAGAAAGAAAGGGCTCT
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 GGAAGGAGGGCTCTTCTGTGACAGAAGCAGCTAAGGAACAGAGAGGAGAGGAGGCTGACAAGTCTGCC
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 TTTGGAACAAAAGTCTCATTCTGAGTCTCAGTGTGAAGGTAGAAAGCATAAGTGTGGGAGTGTCTCT
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 CGTACGAGTCTTCTCAGGTGATCTCTGGGCAGATCTGGAGCCAGGTGTGCTAATGAGCGCCAAACGAT
 CACGTGAAACCAGAGTACTACCACCACACATATCACAAAACGTGAAAGGAGGCAATTCGGAG
 ACGAGGATTGAGAAGCGAATAGTCATCACGGGAGATGCCGACATTGACCATGACCAGGCGCTGGCTCAGG
 CAATTAAGAGGCCAAAGAGCAGCACCCGACATGTGAGTAAACAAAGTAGTGGTCCATAAAGAGACAGA
 AATCACACCAGAAGATGGAGAGGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR203258 representing NM_053927
 Red=Cloning site Green=Tags(s)

MTTESGSDSESKPDQEAEPQEAAGPQEQAGAQAPEPAGGNVVEEQPLEQFPEAAAHSPTPKREVSDKDR
 DFAAAAAQLEYQQFEDDKLSQKSSSSKLSRSPKIVKRPKSMQCKVTLLDGSEYGCDDVKRSRQVLF
 KVCEHLNLLKDYFGLTYRDAENQKNWLDPAKEIKKQIRSGAWHFSFNKFPYPPDPAQLSEDI TRYLCL
 QLRDDIVSGRLPCSFVTLALLGSYTVQSELGDYDPDECGNDYISEFRFAPNHTKELEDKVIELHKS HRGM
 TPAAEAEMHFL ENAKKLSMYGVDLHHA KDSEGV EIMLGVCASGLLIYRDRLRINRF AWPVKLKI SYKRNNF
 YIKIRPGEFEQFESTIGFKLPNHRAAKRLWKVCVEHHTFRLLLPEAPPKFLTLGSKFRYSGRTQAQTR
 RASALIDRPAPYFERSSSKRYTMSRSLDGASVNNHEIYMKDSMSAAEVGTGQYATTKVISQTNLIITVT
 PEKKAEEHVEEEDRRKKAEEATPVAALRHEGKSPGHGSDSCPLSPPSAHLDPSPTELRRRCKEKERAS
 PGSAPRAEL SSESDAQKAYLGDQDVAFSYRQPAGKGTTLFSFSLQLPESFSLLEDGYLSFPNLSET
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 SSEEETDSERTDAADGETSATESDQEEDAELKAQELDKTQDELVKHQTNISELKRTFLETSTETALNE
 WEKRLSTSPVRLAARQEDAPMIEPLVPEETKQSSGEKLDGSEILSLLSARKPTEFIGGVSSTTQSWVQ
 KLETKTETIETEVEPTPHQP LSTEKVLQETVLVEERHVMNVHASGDASHTARDDVDATESAPADRHSGN
 GKEGSSVTEAAKEQRGEEADKSAPEQEQPATVSQEEDQVSAIHSSEGLEQKSHFESSTVKVESISVGSVS
 PGGVKLETSTKEVPVHTETKTIYESSQVDPGADLEPGVLSAQTITSETTTTTHITKTVKGGISE
 TRIEKRIVITGDADIDHDQALAQAIKEAKEQHPDMSVTKVVVHKETEITPEDGED

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

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:	<u>NM_053927.1</u> , <u>NP_446379.1</u>
RefSeq Size:	4543 bp
RefSeq ORF:	3318 bp
Locus ID:	116724
Cytogenetics:	9q38
MW:	122.5 kDa
Gene Summary:	human homolog acts as a tumor suppressor and binds 14-3-3 proteins [RGD, Feb 2006]