

Product datasheet for **MC222989**

Epb41I2 (NM_013511) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Epb41I2 (NM_013511) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Epb41I2
Synonyms:	4.1G; AW555191; D10ErtD398e; Epb4.1I2; NBL2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC222989 representing NM_013511 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTACTGAAGTTGGCTCTGCATCTGAAGTGAAGAAGGGCTCTGACCAGGCTGGAGCAGATGCCTCCA
AGGAGAAAAGCTAAAGAAGTAGAAAATGAGCAGACTCCAGTATCTGAGCCAGAGGAAGAAAAGGGTCCCA
GCCAGGTCTCCGGTTGAGAGGCAAAGCACTCCCCGCTGCGGAAACGAGGGAAGGATCCGTCTGAGAAC
AGGGGCATCTCTCGATTCATACCCCGTGGCTTAAGAAGCAGAGGTCTTACAATTTAGTAGTAGCCAAAG
ATGGAGGAGATAAAAAAGAGCCTACTCAAGCTGACGTGGAAGACCAGATCTTAGGCAAAGAGGAATCCCT
TCCTGAAGAAGAGAGTCGGGCCAAGGGTGACGCAGAAGAAATGGCTCAGAGGAAGCACCTGGAGGTTTCAG
GTGGAGGTCAGGGAAGCAAAACAGCCTTGAAGCAGCGTGGAGACCCAGCCTGCTGAAGAAGTGAGGA
AGGACAAGGAGGAAACGATACAAGACACACAGGAAGAGAAAAGTGGAAAGGAGGTGCAGCCAAAAGGGAGAC
AAAGGAAGTACAGACAAGTGAGCTGAAGGCAGAGGTGGCCTCTCAGAAAGCTACCAAGAAGACCAAGACT
GTCCTGGCCAAAGTGACCCTTCTAGATGGCACGGAATACAGCTGTGACCTTGAGAAACGTGCCAAGGGAC
AAGTGTGTTTGACCGAGTGTGCGAGCACCTGAACCTCTTGAGAAAGGACTACTTTGGACTTCTATTTCA
GGATCATCCTGAGCAGAAAAACTGGCTAGATCCTGCAAAGGAAATAAAGAGACAGCTGAAAAATCTTCCC
TGGCTGTTCACTTCAATGTGAAATTTTCTCCAGATCCTTCTCAGCTGACTGAAGATATCACCAGAT
ACTTCTTGTCCTCAGCTAAGGCAGGACATCGCCTCTGGCCGCTGCCCTGCTCCTTTGTGACTCACGC
CCTCTTGGGATCTACACCTTGCAGGCCGAGCATGGGACTATGACCCAGAAGAATATGACAGTATTGAT
CTTGGTGACTTCCAGTTTGCCCCGGCCACACCAAGGAGTTGGAGGAAAAGGTGTCAGAACTGCATAAAA
CTCACAGGGGCTTATCTCCAGCACAAGCCGACTCTCAGTTCTTAGAGAACGCAAAGAGGCTTTCCATGTA
CGGTGTTGACCTGCACCATGCCAAGGACTCTGAAGGTGTGGACATCAAGCTGGGTGTGTGTGCCAATGGC
CTTCTCATTTACAAGACAGACTAAGGATCAATCGTTTTGCTTGGCCGAAGATTTTGAATTTCTCTATA
AGCGCAGTAATTTCTACATTAAGTTAGACCAGCAGAGCTGGAACAGTTTGGAGTACCATTGGATTCAA
ATTGCCAAACCACGGGCAGCTAAACGGCTATGGAAGGTGTGTGGAACATCACACTTTCTACAGGCTT



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GTGTCTCCAGAGCAGCCACCAAAGACCAAGTCTTGACCCTGGGGTCCAAATTCGCTACAGCGGCCGCA
 CGCAGGCACAGACCAGAGAAGCAAGTACCTCATAGACAGGCCGGCACCACAATTTGAGCGTGCCTCTAG
 TAAACGTGTCTCGAGGAGCCTAGACGGAGCCCGATTGGTGTGGTGGACCAAAGCCCTCCTGGAGAGGGC
 TCAGTGCCTGGCCCTGGAGTTATCAGCTATACTACCATCCAGGATGGCCGGAGGGACAGCAAAAGCCCAA
 CAAAAGCTACACCCTGCCCGCTGAGGGAAAGAAAAATACCTTGAGAGTAGACGGGGATAATATTTATGT
 CAGACATAGCAATTTAATGTTGGAGGACCTGGATAAGGCCCAGGAGGCCATTCTGAAACATCAGGCTAGC
 ATTAGTGAACCTCAAGCGCAATTTTCATGGCGTCCACACCTGAGCCTCGCCCAAGTGAATGGGAGAAGCGGC
 GGGTCACACCTCTGCCTTTCCAACCACAAGCGAGTTCACATGAGACTCTGAATGTAGTGGAGGAGAAGAA
 GCGGGCAGAGGTTGGGAAAGACGAAAGCGTAATCACAGAAGAAATGAATGGTAAAGAGATGTCACCGGGG
 CATGGTCTGGGGAGACTCGTAAGGTGGAGCCTGTGGCACACAAAGACTCCACCTCCCTGTCTTCTGAGA
 GCAGCAGCAGCAGCAGTGAAGTGAAGGAGCCTGGGAGAGTACCAGCCCACCACCGAGTGACCGAGGG
 CACCATAAGGGAAGAGCAGGAGGAGTGTGATGAAGAGCTGGAGGAAGAGCCCGCCAAGGAGCCAAGGTA
 GTAGAGAGGGAGGCAGCAGTCCCCGACGCCGTCCAGACAGACAAGCAGGGGCCAGTGTGCTCCCAGTAG
 AAACAGAGGCCAGGAACATGTAGTTGCCAAAAGTTACCTGGAGAAAAGGTGCACACGGAGGCACTGC
 TGAGCAGGACCCGAGAGAAGAAGCAGAGGAAGACCCGCACAGAGTTAATGGAGAGGTGCCCATCTTGAC
 CTTGATGGTTTGGCAGAGATTATTTGTTGTTCCAGGCCACAGTGGTAAAAACAGAGATGGTAAACAATTT
 CTGATGCCTCACAAAGGACAGAAATCTCCACCAAGGAAGTCCCCATTGTTCAAACCTGAGACCAAAACCAT
 CACATATGAGTCTCCACAGATTGACGGCGGGGCTGGTGGTATTCCGGCGTGTACTGACCGCACAAACC
 ATCACATCTGAGTCCGCGTCAACAACGACAACCCACACATCACCAAGACTGTGAAAGGTGGGATCTCTG
 AAACACGAATTGAGAAACGCATTGTGATCACAGGAGACGCAGCTCTGGATCATGATCAGGCGCTGGCTCA
 GGCCATACGGGAAGCGAGAGAGCAGCACCTGATATGTCGGTCAACAGGGTGGTGTGACAAAGAAACA
 GAGTTGGCGGAGGAAGGAGAAGAA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_013511

Insert Size:

2967 bp

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).

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_013511.3](#), [NP_038539.2](#)

RefSeq Size:

4280 bp

RefSeq ORF:

2967 bp

Locus ID: 13822

UniProt ID: [O70318](#)

Cytogenetics: 10 12.26 cM

Gene Summary: Required for dynein-dynactin complex and NUMA1 recruitment at the mitotic cell cortex during anaphase.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) uses an alternate exon for its 5' UTR, compared to variant 1. Variants 1 and 2 both encode the same isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.