

Product datasheet for **MR218126**

Ehbp111 (NM_053252) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ehbp111 (NM_053252) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ehbp111
Synonyms:	G430002G23Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR218126 representing NM_053252
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACTTCAGTGTGAAGCGCCTGCAGCGGGTTGCAAGCGGGCCGCAAGTTCAGTTTGTGGCGTGT
 ACCATGAACTGGTGTGGAGTGCACCAAGAAGTGGCAGCCTGACAAGCTGGTGGTGGTATGGACTCGGCG
 GAACCGAAGGATCTGCTCCAAGGCCACAGCTGGCAGCCTGGCATCCAGAACCATACCGTGGCACCCTG
 GTATGGATGGTTCCTGAGAACGTGGACATCTCGGTGACCTTGTACAGGGACCCTCATGTGGACCAGTATG
 AAACCAAAGAGTGGACTTTTATTATTGAAAATGAGTCCAAGGGACAGCGGAAGGACTGGCCACAGTTGA
 TGTGAACCTAGCCACCATGCAGGGCCTGTGCCTGCTCAGGTTCCACTTCGACTGCGGCTGAAGCCAAA
 TCTGTGAAGGTGGTGCATGCCGAAGTGCAGCTCACCTTTCTGGGGTGTGCTGCGAGAAGGCCGTGCCA
 CGGATGATGACATGCAGAGTCTGGCCAGCCTCATGAGTGTGAAGCCTAGTACGTTGGGAAACCTGGATGA
 CTTTGCTGAGAGTGTGAGGAGGAAGCTAATGGCCCTGGGGCTCCTGAGGTCGGACTCGAGGCCCCAG
 TCAGATCTGTCTCGAGAGCTGAAGACACTCTGTGAAGAAGAAGATGAAGGCCACATACGGCCCCAGCAGG
 CAGCTGCCAGACCCTCTAGTGTGAAGACACCAGCCCTGCCCCAGTGAAGTGCCTTCGACCCCGGTTCAG
 GGCTTCCGGGGCCAGGGGTGAGAACCAGCTGCTATAACCGGGGGCCAGGTGGGGCTGAAACCCAGAG
 CCCCCGCATCCCCACCAGAGACAAGGTCCACTGGGCAGCCAGGCCAGACCATGGTCCCCACCCAGCCC
 CTCGGCTCCGAAAGGCTCTGATGCACCCTCGTCCCCAGTCCCCGTCAGTGGGGATGAGGTCCCCAATAC
 CTCAGAGGATCCTCCAACAGGAATGGGCTTTCTGGGGAGACCCAGGCTCAGATAAGCTCTCAGGAAGGG
 ACAGAGCCCATGAAGCCAGGCCAGAACCAGACATTGAGGCACCACCTACCCTGGTCAGTCCAGCCAGT
 CCCTGTTGGAGTGGTCCAAGAGGTCAACAACGGCTACCGTGGTGTCTGCATACCAACTCACCACGTC
 CTGGCGCAATGGCCTGGCCTTCTGTGCTATTTTACATCGATTCTACCCAGACAAGATCGATTATTTCTCC
 CTTGATCCCTCAACATCAAACAGAACAACAAGCAGGCTTTTGTGGCTTCGCTGCCCTGGTGTGTCTC
 GGCTGCTCGAGCCGGCGGACATGGTACTTCTGTCCGTACCTGACAAGCTCATCGTCATGACGTACCTGTG
 CCAGATCCGTGCCTTCTGCACTGGGCAGGAGCTGCAGCTGGTGAAGTGGAGGGCGGCGGTGGCTGTGGC
 ACTTATCGTGTGGGAACGCCAGCCGAGCCTGCCGACTGTCTGGACGCAGGAGACCTGGCGCAGCGAT
 TACGCGAGCATGGGGCTGAAGTGCCACAGAACCTAAGGAGGCTGTGAACCGGGGACTGGGGCAATACC
 AAAGTGGCTCCAGGGACAGGACCTGAGCTGCTCCTAAGGATGGGGAGGCAGAGGTTGCCAGGAA
 GCAATCCCTCAAGAGGCCCCACCGACGGCCCTAGAGCCAGGTCGTCCACAACCCGGTGGTCCCTGCAG
 AGGGGCTGGTGAACGGAGTGGGGCGTCAAGTGGTGTGAGTGGTGTGAGACTGAGACGGTCTCTGTCAA
 TGGGGAGGCTGGGCCAGTACCTCCACCCGAGCACATGGCTCTTTCTCCCACGTGCGGGACGCCGATTTG
 CTAAGAAGAGGGCGATCGAGGTTAAGGAATAGCAACTCTTTCTGTGGATGACCAGGACTCTGGAGCTG
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 CCCACTCCCAGCCCCAGCCCCACAGCAGCCGCCGGTGGGCCCTCCTACTGAGGAGTCATACCCAGC
 CTGGGGGAAGAGACAGGCTGCAACGGTCCAGGACACAAGTCAAGTACGTGTGCGCAGAGCTGCAAGCCC
 TGGAGCAGGAACAGGGACAGATAGATGGGAGGGCCGCTGAGGTGGAGAAGCAGCTGAGGAGCCTCATGGA
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 GCCTCATCCGGAGGCAGGACCAGCTGCAGCTGCTCATCGAGGAGCAGGACTTGGAGCGGAGGTTTGAAC
 TGCTGAGCCGAGAGTTGCGGGCCATGCTGGCCATTGAAGAGTGGCAGAAAACAGTTGCGCAGCAGACCCG
 CGAGCAACTCCTGTTGGAGGAGCTGGTGTCTCTGGTGAACCAGAGGGATGAACTGGTCCGGGACCTGGAC
 CAGAAGGAACGGATCGCTCTGGAGGAAGATGAGCGCCTAGAACGAGGCCCTGGAGCAGAGACGTCGCAAGG
 TGAGCCGGCAGCTGAGCAGGCGGGAACGCTGTACCCTGAGC

ACGGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR218126 representing NM_053252
Red=Cloning site Green=Tags(s)

MTSVWKRLQRVGKRAAKFQFVACYHELVLECTKKWQPKLVVVWTRRRRNICSKAHSWQPGIQNPYRGTV
 VWMVPENVDISVTLYRDPHVDQYETKEWTFIENESKGQRKVLATVDVNLAHAGPVPAQVPLRLRKPK
 SVKVVHAE LSLTL SGVLLREGRATDDMQSLASLMSVKPSDVGNLDDFAESDEEEANGPGAPEVTRGPQ
 SDL SRELKTLCEEEDEGHIRPQQAARPSAEDTSPAPVSAPAPPVRAFRGQSEPAAITGGQVGPETPE
 PPPSPPE TRSTGQPGQTMVPTAPRLRKGSDAPSSPVPSCGDEVNPTSEDPPTGMGSSGETQAQISSQEG
 TEAHEARPEPDIEAPPTLVSSSQSLLEWCQEVNTNGYRGVCITNFTTSWRNGLAFCAILHRFYDPKIDYFS
 LDPLNIKQNNKQAFDGF AALGVSRLLEPADMVLLSVPDKLIVMTYLCQIRAFCTGQELQLVQLEGGGSG
 TYRVGNAQPSLPDCLDAGDLAQLREHGAEPTEPKEAVNRGTGAIPKVASRDTDLSCSSKDGEAEVAQE
 AIPQEAPTDGPRARSSTTPVPAEGLVNGV GASGGVSGVRLRRSSVNGEAGVPPPPRAHGSF SHVRDADL
 LKKRRSRLRNSNSF SVDDQD SGAAVGAGPAGP GAVEGPNPASSPDANPLPAPAPQQPPGGPPPT EESSPS
 LG EETGLQRFDTSQYVCAELQALEEQGQIDGRAAEVEKQLRSLMESGANRLQEEVLIQEWF T L VNKKN
 AL IRRQDQLQLLIEEQDLERRFELL SREL RAMLAIEEWQKTVAQQHREQ LLL EELVSLVNQRDELVRDL
 QKERIALEEDERLERGLEQRRRKYSRQLSRRERCTLS

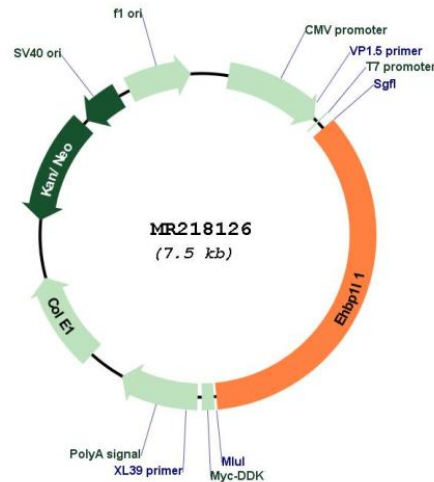
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_053252

ORF Size: 2631 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:

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_053252.3, NP_444482.2</u>
RefSeq Size:	3888 bp
RefSeq ORF:	2634 bp
Locus ID:	114601
UniProt ID:	<u>Q99MS7</u>
Cytogenetics:	19 A
MW:	96.3 kDa
Gene Summary:	May act as Rab effector protein and play a role in vesicle trafficking (By similarity). Involved in apical-directed transport in polarized epithelial cells; the functions seems to implicate Rab8, BIN1 and possibly DNM1 (PubMed:26833786).[UniProtKB/Swiss-Prot Function]