

## Product datasheet for **MR216648**

### **Ehbp111 (NM\_001114596) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ehbp111 (NM_001114596) 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



[View online »](#)

ORF Nucleotide  
Sequence:

>MR216648 representing NM\_001114596  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGACTTCAGTGTGAAGCGCCTGCAGCGGGTTGCAAGCGGGCCGCAAGTTCAGTTTGTGGCGTGT  
ACCATGAACTGGTGTGGAGTGACCAAGAAGTGGCAGCCTGACAAGCTGGTGGTGGTATGGACTCGGCG  
GAACCGAAGGATCTGCTCCAAGGCCACAGCTGGCAGCCTGGCATCCAGAACCATACCGTGGCACCCTG  
GTATGGATGGTTCCTGAGAACGTGGACATCTCGGTGACCTTGTACAGGGACCCTCATGTGGACCAGTATG  
AAACCAAAGAGTGGACTTTTATTATTGAAAATGAGTCCAAGGGACAGCGGAAGGTAAGTGGCCACAGTTGA  
TGTGAACCTAGCCACCATGCAGGGCCTGTGCCTGCTCAGGTTCCACTTCGACTGCGGCTGAAGCCAAA  
TCTGTGAAGGTGGTGCATGCCAACTGAGCCTCACCTTTCTGGGGTGTCTGCGAGAAGGCCGTGCCA  
CGGATGATGACATGCAGAGTCTGGCCAGCCTCATGAGTGTGAAGCCTAGTGACGTGGGAAACCTGGATGA  
CTTTGCTGAGAGTGTGAGGAGGAAGCTAATGGCCCTGGGGCTCTGAGGTCCGGACTCGAGGCCCCAG  
TCAGGCCGGGGCTGTGCCCAAGACTGGGACGTTTCCAGATCTGTCTCGAGAGCTGAAGACACTCTGTG  
AAGAAGAAGATGAAGGCCACATACGGCCCCAGCAGGCAGCTGCCAGACCCTCTAGTGCTGAAGACACCAG  
CCCTGCCCCAGCACACCTACCCTGGTCAGCTCCAGCCAGTCCCTGTTGGAGTGGTGCCAAGAGGTCAAC  
AACGGCTACCGTGGTGTCTGCATCACCAACTTACCACGTCTGGCGCAATGGCCTGGCCTTCTGTGCTA  
TTTTACATCGATTCTACCCAGACAAGATCGATTATTTCTCCCTTGATCCCTCAACATCAAAACAGAAACA  
CAAGCAGGCTTTTGATGGCTTCGCTGCCCTGGGTGTGTCTCGGCTGTCTGAGCCGGCGGACATGGTACTT  
CTGTCCGTACCTGACAAGCTCATCGTATGACGTACCTGTGCCAGATCCGTGCCTTCTGCACTGGGCAGG  
AGCTGCAGCTGGTGCAACTGGAGGGCGGGTGGCTCTGGCACTTATCGTGTGGGCAACGCCACCGCGG  
CCTGCCCGACTGTCTGGACGACAGGAGACCTGGCGCAGCATTACGCGAGCATGGGGCTGAAGTGCCACACA  
GAACCTAAGGAGGCTGTGAACCGCGGGACTGGGGCAATACCAAAGGTGGCCTCCAGGGACACGGACCTGA  
GCTGCTCCTCTAAGGATGGGGAGGCAGAGGTTGCCAGGAAGCAATCCCTCAAGAGGCGCCACCAGCGG  
CCCTAGAGCCAGGTCGTCCACAACCCCGTGGTCCCTGCAGAGGGGCTGGTGAACGGAGTGGGGCGTCA  
GGTGGTGTGAGTGGTGTGAGACTGAGACGGTCTCTGTCAATGGGGAGGCTGGGCCAGTACCTCCACCCC  
GAGCACATGGCTTTTCTCCACGTGCGGGACGCCGATTTGCTAAAGAAGAGGCGATCGAGGTTAAGGAA  
TAGCAACTCTTTCTGTGGATGACCAGGACTCTGGAGCTGCAGTTGGAGCAGGGCCTGCAGGGCCTGGA  
GCTGTGGAAGGTCAAACCTGCCTCCAGCCCTGACGCTAACCCACTCCCAGCCCAGCCCCACAGCAGC  
CGCCCGGTGGGCCCCCTCTACTGAGGAGTCATACCCAGCCTGGGGGAAGAGACAGGCCTGCAACGGTT  
CCAGGACACAAGTCAGTACGTGTGCGCAGAGCTGCAAGCCCTGGAGCAGGAACAGGGACAGATAGATGGG  
AGGGCCGTGAGGTGGAGAAGCAGCTGAGGAGCCTCATGGAATCAGGTGCCAACAGGCTGCAGGAGGAGG  
TGCTGATTAGGAATGGTTCACCCTGGTCAACAAGAAGAATGCGCTCATCCGGAGGCAGGACCAGCTGCA  
GCTGCTCATCGAGGAGCAGGACTTGAGCGGAGGTTTGAAGTGTGAGCCGAGAGTTGCGGGCCATGCTG  
GCCATTGAAGAGTGGCAGAAAACAGTTGCGCAGCAGCACCCGAGCAACTCCTGTTGGAGGAGCTGGTGT  
CTCTGGTGAACAGAGGGATGAAGTGGTCCGGGACCTGGACCAGAAGGAACGGATCGCTCTGGAGGAAGA  
TGAGCGCCTAGAACGAGGCCTGGAGCAGAGACGTGCAAGGTGAGCCGGCAGCTGAGCAGCGGGAAACGC  
TGTACCCTGAGC

**ACGCGT**ACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR216648 representing NM\_001114596  
 Red=Cloning site Green=Tags(s)

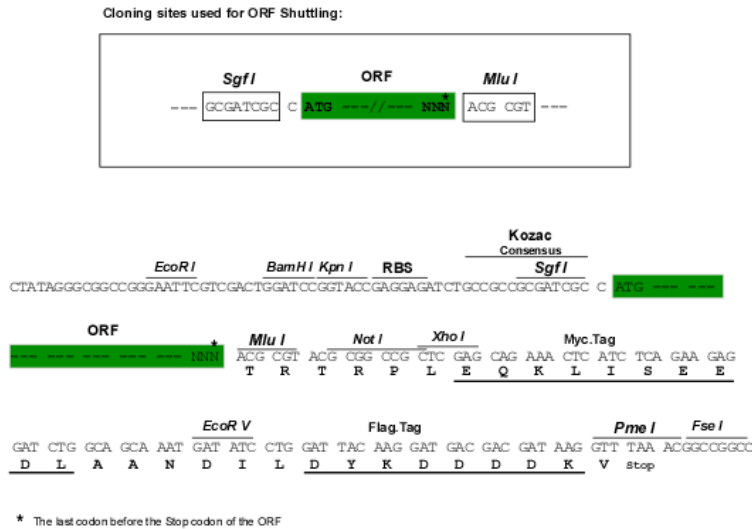
MTSVVKRLQRVVGKRAAKFQFVACYHELVLECTKKWQPKLVVVWTRRRRNICSKAHSWQPGIQNPYRGTV  
 VWMVPENVDISVTLYRDPHVDQYETKEWTFIENESKGQRKVLATVDVNLAHAGPVPVPAQVPLRLRLKPK  
 SVKVVHAE LSLTL SGVLLREGRATDDDMQSLASLMSVKPSDVGNLDDFAESDEEEANGPGAPEVTRTRGPQ  
 SGRGCAPRLGRFPDL SRELKTLCEEEDEGHIRPQQAAARPSSAEDTSPAPAPPTLVSSSQSLEWCQEV  
 NGRYRGVCITNF TTSWRNGLAFCAILHRFYDPKIDYFSLDPLNIKQNNKQAFDGF AALGVSRLLEPADMVL  
 LSVPDKLIVMTYLCQIRAFCTGQELQLVQLEGGGSGTYRVGNAQPSLPDCLDAGDLAQRLEHGAEVPT  
 EPKEAVNRGTGAIPKVASRDTDLSCSSKDGEAEVAQEAIPQEAPTDGPRARSSTTPVVAEGLVNGVGAS  
 GGVSGVRLRRSSVNGEAGVPPRAHGSF SHVRDADLLKRRSRLRNSNSF SVDDQD SGAAGVAGPAGPG  
 AVEGPNP ASSPDANPLPAPAPQQPPGGPPPT EESSPSLGEETGLQRFQDTSQYVCAELQALEQEQQIDG  
 RAAEVEKQLRSLMESGANRLQEEVLIQEWFTLVNKKNAL IRRQDQLQLLIEEQDLERRFELL SREL RAML  
 AIEEWQKTVAQQHREQLLLEELVSLVNQRDELVRDL DQKERIALEEDERLERGLEQRRRKVSRQLSRRER  
 CTLS

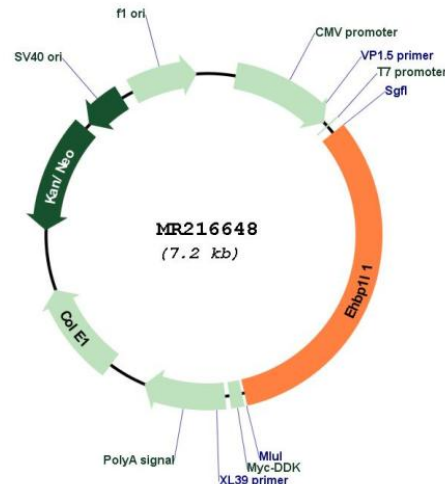
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**


**ACCN:** NM\_001114596

**ORF Size:** 2322 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](mailto: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: NM\_001114596.1, NP\_001108068.1

RefSeq Size: 3579 bp

RefSeq ORF: 2325 bp

Locus ID: 114601

Cytogenetics: 19 A

MW: 85.9 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]