

Product datasheet for **MG216648**

Ehbp111 (NM_001114596) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ehbp111 (NM_001114596) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ehbp111
Synonyms:	G430002G23Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG216648 representing NM_001114596
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACTTCAGTGTGAAGCGCCTGCAGCGGGTTGGCAAGCGGGCCGCAAGTTCAGTTTGTGGCGTGT
 ACCATGAACTGGTGTGGAGTGCACCAAGAAGTGGCAGCCTGACAAGCTGGTGGTGGTATGGACTCGGCG
 GAACCGAAGGATCTGCTCCAAGGCCACAGCTGGCAGCCTGGCATCCAGAACCATACCGTGGCACCCTG
 GTATGGATGGTTCCTGAGAACGTGGACATCTCGGTGACCTTGTACAGGGACCCTCATGTGGACCAGTATG
 AAACCAAAGAGTGGACTTTTATTATTGAAAATGAGTCCAAGGGACAGCGGAAGGTAAGTGGCCACAGTTGA
 TGTGAACCTAGCCACCATGCAGGGCCTGTGCCTGCTCAGGTTCCACTTCGACTGCGGCTGAAGCCCAAA
 TCTGTGAAGGTGGTGCATGCCAACTGAGCCTCACCTTTCTGGGGTGTCTGCGAGAAGGCCGTGCCA
 CGGATGATGACATGCAGAGTCTGGCCAGCCTCATGAGTGTGAAGCCTAGTACGTTGGGAAACCTGGATGA
 CTTTGCTGAGAGTGTGAGGAGGAAGCTAATGGCCCTGGGGCTCTGAGGTCCGGACTCGAGGCCCCAG
 TCAGGCCGGGGCTGTGCCCAAGACTGGGACGTTTCCCAGATCTGTCTCGAGAGCTGAAGACACTCTGTG
 AAGAAGAAGATGAAGGCCACATACGGCCCCAGCAGGCAGCTGCCAGACCCTCTAGTGTGAAGACACCAG
 CCCTGCCCCAGCACACCCTACCCTGGTCAGCTCCAGCCAGTCCCTGTTGGAGTGGTGCCAAGAGGTCAAC
 AACGGCTACCGTGGTGTCTGCATCACCAACTTCACCACGTCTGGCGCAATGGCCTGGCCTTCTGTGCTA
 TTTTACATCGATTCTACCCAGACAAGATCGATTATTTCTCCCTTGATCCCTCAACATCAAAACAGAAACA
 CAAGCAGGCTTTTGATGGCTTCGCTGCCCTGGGTGTGTCTCGGCTGTCTGAGCCGGCGGACATGGTACTT
 CTGTCCGTACCTGACAAGCTCATCGTCATGACGTACCTGTGCCAGATCCGTGCCTTCTGCACTGGGCAGG
 AGCTGCAGCTGGTGCAACTGGAGGGCGGGTGGCTCTGGCACTTATCGTGTGGGCAACGCCAGCCGAG
 CCTGCCCGACTGTCTGGACGCAGGAGACCTGGCGCAGCGATTACGCGAGCATGGGGCTGAAGTGCCACACA
 GAACCTAAGGAGGCTGTGAACCGCGGGACTGGGGCAATACCAAAGGTGGCCTCCAGGGACACGGACCTGA
 GCTGCTCCTCTAAGGATGGGGAGGCAGAGGTTGCCAGGAAGCAATCCCTCAAGAGGCGCCACCAGCGG
 CCCTAGAGCCAGGTGCTCCACAACCCCGGTGGTCCCTGCAGAGGGGCTGGTGAACGGAGTGGGGCGTCA
 GGTGGTGTGAGTGGTGTGAGACTGAGACGGTCTCTGTCAATGGGGAGGCTGGGCCAGTACCTCCACCCC
 GAGCACATGGCTCTTTCTCCACGTGCGGGACGCCGATTTGCTAAAGAAGAGGCGATCGAGGTTAAGGAA
 TAGCAACTCTTTCTGTGGATGACCAGGACTCTGGAGCTGCAGTTGGAGCAGGGCCTGCAGGGCCTGGA
 GCTGTGGAAGGTCAAACCTGCCTCCAGCCCTGACGCTAACCCACTCCCAGCCCAGCCCCACAGCAGC
 CGCCCGGTGGGCCCCCTCCTACTGAGGAGTCATACCCAGCCTGGGGGAAGAGACAGGCCTGCAACGGTT
 CCAGGACACAAGTCAGTACGTGTGCGCAGAGCTGCAAGCCCTGGAGCAGGAACAGGGACAGATAGATGGG
 AGGGCCGTGAGGTGGAGAAGCAGCTGAGGAGCCTCATGGAATCAGGTGCCAACAGGCTGCAGGAGGAGG
 TGCTGATTAGGAATGGTTCACCCTGGTCAACAAGAAGAATGCGCTCATCCGGAGGCAGGACCAGCTGCA
 GCTGCTCATCGAGGAGCAGGACTTGGAGCGGAGGTTTGAAGTGTGAGCCGAGAGTTGCGGGCCATGCTG
 GCCATTGAAGAGTGGCAGAAAACAGTTGCGCAGCAGCACCCGAGCAACTCCTGTTGGAGGAGCTGGTGT
 CTCTGGTGAACAGAGGGATGAACTGGTCCGGGACCTGGACCAGAAGGAACGGATCGCTCTGGAGGAAGA
 TGAGCGCCTAGAACGAGGCCTGGAGCAGAGACGTGCAAGGTGAGCCGGCAGCTGAGCAGCGGGAAACGC
 TGTACCCTGAGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG216648 representing NM_001114596
Red=Cloning site Green=Tags(s)

MTSVWKRLQRVKGKRAAKFQFVACYHELVLECTKKWQPKLVVVWTRRRRRC SKAHSWQPGIQNPYRGTV
VWMVPENVDISVTLYRDPHVDQYETKEWTFIIENESKGQRKVLATVDVNLAAHAGPVPAQVPLRLRLKPK
SVKVVHAE LSLTSGVLLREGRATDDDMQSLASLMSVKPSDVGNLDDFAESDEEEANGPGAPEVTRGPQ
SGRGCAPRLGRFPDL SRELKTLCEEEDEGHIRPQQAAARPSSAEDTSPAPAPPTLVSSSQSLEWCQEV
NGYRGVCITNFTTSWRNGLAFCAILHRFYDPKIDYFSLDPLNIKQNNKQAFDGF AALGVSRLLEPADMVL
LSVPDKLIVMTYLCQIRAFCTGQELQLVQLEGGGSGTYRVGNAQPSLPDCLDAGDLAQRLREHGAEVPT
EPKEAVNRGTGAIPKVASRDTDLSCSSKDGEAEVAQEAI PQEAPT DGP RARSSTTPV VPAEGLVNGVGAS
GGVSGVRLRRSSVNGEAGPVPPRAHGSF SHVRDADLLKRRSRLRNSNSFSVDDQDSGAAVGAGPAGPG
AVEGPNP ASSPDANPLPAPAPQQPPGGPPPT EESSPSLGEETGLQRFQDTSQYVCAELQALEQEQGIDG
RAAEVEKQLRSLMESGANRLQEEVLIQEWFTLVNKKNAL IRRQDQLQLLIEEQDLERRFELL SREL RAML
AIEEWQKTVAQQHREQLLLEELVSLVNQRDELVRDL DQKERIALEEDERLERGLEQRRRKVSRQLSRRER
CTLS

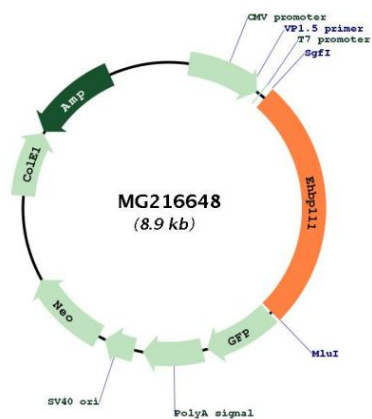
TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja2284_b06.zip

Restriction Sites: Sgfl-MluI

OTI Disclaimer:	<p>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.</p> <p>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</p>
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:	<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_001114596.1</u> , <u>NP_001108068.1</u>
RefSeq Size:	3579 bp
RefSeq ORF:	2325 bp
Locus ID:	114601
Cytogenetics:	19 A
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]

Product images:



Circular map for MG216648