

## Product datasheet for MR218140

### Ehbp111 (NM\_001114597) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ehbp111 (NM_001114597) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ehbp111
Synonyms:	G430002G23Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR218140 representing NM_001114597 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACTTCAGTGTGGAAGCGCCTGCAGCGGGTTGGCAAGCGGGCCGCAAGTTCAGTTTGTGGCGTGT  
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CCTGCAGGCCAGGAGAAAGGAAGTGCAGAGGTGAGGGGTAAAGTCCCTGCTATTGGGAGGGCAGGCCCGG  
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR218140 representing NM\_001114597  
Red=Cloning site Green=Tags(s)

MTSVWKRLQRVGKRAAKFQFVACYHELVELECTKKWQPKLVVVWTRRRRIRCSKAHSWQPGIQNPYRGTV  
VWMPENVDISVTLYRDPHVDQYETKEWTFIENESKQQRKVLATVDVNLAHAGPVPAQVPLRLRLKPK  
SVKVVHAEVSLTSLGVLRLREGRAATDDMQSLASLMSVKPSDVGNLDDFAESDEEEANGPGAPEVTRGPQ  
SDL SRELKTLCEEEDEGHIRPQQAAARPSSAEDTSPAPVSAPAPPVRAFRGQSEPAAITGGQVGPETPE  
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PAGQEKGSAEVRGKVPATIGRAGPEQGSSARAASAGPVSCVQTVPSDGGQVKSQRDQRAQEAEVGESRVLE  
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GTYRVGNAQPSLPDCLDAGDLAQRLREHGAEVPTPEKAVNRGTGAIPKVASRDTDLSCSSKDGEAEVAQ  
EAIPQEAPTDGPARRSSTTPVVP AEGLVNGV GASGGVSGVRLRRSSVNGEAGPVPPPRAHGSF SHVRDAD  
LLKKRRSRLRNSNSF SVDDQDSGA AVGAGPAGPGAVEGPNPASSPDANPLPAPAPQPPGPPPTTEESSP  
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NALIRRQDQLQLLIEEQDLERRFELL SREL RAMLAIEEWQKTVAQQHREQLLLEELVSLVNQRDELVRDL  
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:**

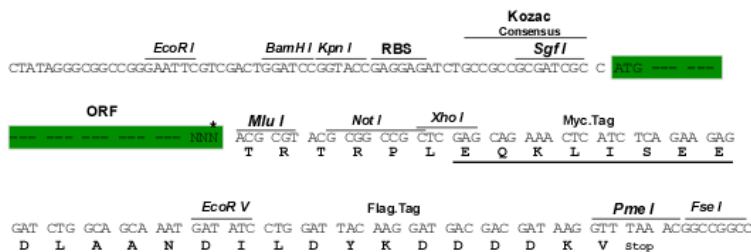
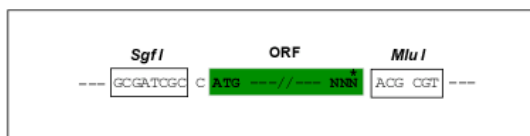
[https://cdn.origene.com/chromatograms/mm9103\\_b11.zip](https://cdn.origene.com/chromatograms/mm9103_b11.zip)

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

- ACCN:** NM\_001114597
- ORF Size:** 5154 bp
- OTI Disclaimer:** 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\\_001114597.1](#), [NP\\_001108069.1](#)

**RefSeq Size:** 6411 bp

**RefSeq ORF:** 5157 bp

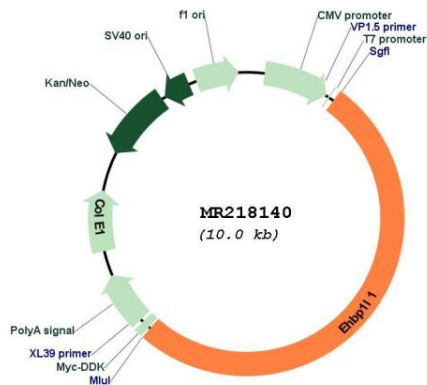
**Locus ID:** 114601

**Cytogenetics:** 19 A

**MW:** 184.8 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]

**Product images:**



Circular map for MR218140