

## Product datasheet for **MG211316**

### 1810044A24Rik (BC034590) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	1810044A24Rik (BC034590) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	1810044A24Rik
Synonyms:	lbp, Nibp, mKIAA1882
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG211316 representing BC034590  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTTGTTGGGGCTGAAAAGACACTACAAGAAGCGGTGCCAAGGACGCATCGGAAACACGTTGGGGACT  
 TGTGCCTCCAGGCTGGGATGCTGCAGGACGCCCTGGTACACTACCACATGTCCGTGGAGCTCCTGCGCTC  
 AGTGAATGACTTCTGTGGTTAGGGGCTGCCCTGGAGGGTTGTGCTCGCTTCACTATTATCATTAT  
 CCCGGAGAACTGGTGGCAAGACTGGGGCTCGGAGACTCCAAGGCAGCTCACTTCCCTCAGAAGCAGCCA  
 ACAGACACCGGCCAGGGCGCAAGAAGTTCTCATTGACCCAGGTGCTCTCACCACCAACGGCATAAATCC  
 TGACACCAGCACTGAGATCGGAAGGGCCAAGAATTGCCTCAGCCCGAGGACATCATTGACAAATACAAA  
 GAGGCCATCTCTATTACAGCAAGTACAAGAACGCCGGAGTGATTGAGCTGGAAGCCTGTGTCAAGGCCG  
 TCGCGTCTAGCGATTCAGAAGCGTGGCATGGAGGCTTCGGAGTTTCTCAGAATGCTGTGTACATCAA  
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 GGCTTCCACCGCAAGTCAAGCATTCTTCAAGCGAGTGGCTGCCATGCAAGTGTGTGGCGCCAAGCATTGCGAG  
 AACCTGGCTGGAGGGCTGTTACAAGCTCCTTTGGAGACGCTGCCTGGCTACAGTCTGTGCTAGATCC  
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 GCCAGCATGTCCACCAAGGCCCTTCACTATTTCGCAATCATCGCACATAACCGTGGAGAAAGCAACG  
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 AATGATCACTGTGAATGGTTACCATAACCACAGTCTTTGGGGTCTTCCAGCGACTGCCTTCTGGACAACCTT  
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 CCCGAAGTGTGGGGCCCTTTCCTCACCCTGGTCCCTTCCAGGACCACCAGAAGCGGTGTGCACAATA  
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 AGGACTGCAAGAGCAAGGAGCTGCCACCCTCTGGGTTTGTCTTACCAGCGTGCATGTGAGGGCCCTCGG  
 GGCACAGGCC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >MG211316 representing BC034590  
Red=Cloning site Green=Tags(s)

```

MLLGLKRHYKKRCQGRMRKHVGDLC LQAGMLQDALVHYHMSVELLRVNDLWLGAALEGLCSASVIYHY
PGGTGGKTGARRLQGSSLPSEANRHRPGAQEV LIDPGALTTNGINPDTSTEIGRAKNCLSPEDIIDKYK
EAISSYYSKYKNAGVIELEACVKAVRVLAIQKRGMEASEFLQNAVYINLRQLSEEEKIQRYISLSELYELI
GFHRKSAFFKRVAAMQCVAPSI AEPGWRACYKLLLETLPGYSLSDPKDFSKGTHRGWAAVQMRLLELV
YASRRMGNPALSVRHLSFLLQTMLDFLSDQEKDVTQSL ENYTA KCPGTMEPITLPDGLTLPPVPFTKLP
IVRCVKLLSLPTSLRPHKVKSLLGQSMSTKSPFIYSPIIAHNRGEERNKKIDFQWVQGDVCEVQLMYYNP
MPFELRVENMGLLTSVFEFESLPAALSLPAESGLYPVTLVGPVQTTGMITVNGYHTTVFGVFSDCLLDNL
PGLKTGGSTVEVIPALPRLQISTSLPRSARSLQPSAGDEIATNVSQLYNGETQQQLAVTLENIGLEPLEQ
LEVTSKLLTTKEKLYGDFLSWKLEETLAQFPLQPGKVATFTINIKAKLDFSCQENLLQDLSDDGISVSGF
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FFTRVSTLPATSTRQCHLLLDVFNSTHELTVCARNNSELV LHASQCQRM AIQVDKFNFESVPESPGEGK
HFANLKQLEEERQEARGLEISSKLDIRWRIPSLKRSGEASVEGLLNQLILEHLQLAPLQWDVLDVGQPCD
CEVAAACQVQDPVRLVRLTNRSPRSVGPFALT VVPFQDHQNGVHNYDLHDVISFVGSSTFYLDTVQPSG
QSTCLGALLFLYTGFDFLNIRFHEDCKSKELPPSWVCLPSVHVRALGAQA
    
```

TRTRPLE - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

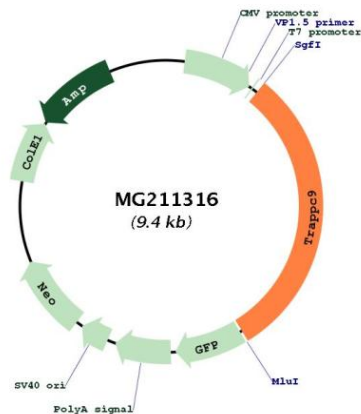


**ACCN:** BC034590

**ORF Size:** 2882 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:** [BC034590](#), [AAH34590](#)
- RefSeq Size:** 3372 bp
- RefSeq ORF:** 2882 bp
- Locus ID:** 76510
- Cytogenetics:** 15 D3
- Gene Summary:** Functions as an activator of NF-kappa-B through increased phosphorylation of the IKK complex. May function in neuronal cells differentiation. May play a role in vesicular transport from endoplasmic reticulum to Golgi.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG211316