

Product datasheet for **MG224622**

Ebf3 (NM_010096) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ebf3 (NM_010096) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ebf3
Synonyms:	3110018A08Rik; mKIAA4201; O/E-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG224622 representing NM_010096
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTTGGGATTCAGGAGAATATTCGCGCGGGGGACGACCATGAAGGAGGAGCCGCTGGCGACGGCA
 TGAACCCGGTGCCTCGTGGATGCACACGGCAGGCGTGGTGGACGCCAACACGGCCGCCAGAGCGGCGT
 GGGGCTGGCGCGGGCGCACTTCGAGAAGCAGCCTCCTTCCAACCTCCGGAATCCAATTTCTTCCACTTC
 GTGCTGGCGCTCTACGACAGGCAGGGGACGCGGTGGAGATCGAAAGGACCGCTTTTGTGGACTTTGTGG
 AGAAAGAGAAAGAGCCGAACAACGAGAAAACCAACAACGGCATTCACTACAAGCTGCAGCTACTGTACAG
 CAATGGCGTCAGAACAGAGCAAGATCTGTATGTCCGCCTCATAGATTCAATGACCAAACAGGCCATCGTG
 TATGAAGGCCAGGACAAGAATCCGGAGATGTGCCGCGTGTGCTGACCCACGAGATCATGTGCAGCCGGT
 GCTGTGACAAGAAGAGTTGTGGCAATAGAAACGAGACACCCTCAGACCCTGTAATCATTGACAGATTCTT
 TCTAAAGTTCTTCTCAAGTGAATCAGAACTGCCTGAAGAATGCGGGCAACCCTCGGGACATGCGGAGG
 TTCCAGGTCGTTGTATCGACAACAGTCAACGTGGACGGCCACGTGCTGGCCGTGTCTGACAAACATGTTTG
 TGCACAACAATTCAAAACACGGGAGGCGGGCCCGCCCTAGACCCGTCAGAAGCCACTCCGTGTATCAA
 GGCTATCAGCCCCAGTGAAGGCTGGACCAGGGGGTGGCACTGTGATCATAATCGGGGACAACCTCTTT
 GACGGTCTACAAGTTGTGTTTCGAACTATGTTGGTGTGGAGTGAGCTGATAACCCCCACGCCATCCGAG
 TGCAGACGCCGCTCGACACATCCCTGGAGTTGTTGAAGTGACCCCTCTCTACAAGTCTAAGCAGTTCTG
 CAAAGGCGCTCCTGGACGCTTTGTCTACACTGCCCTTAATGAGCCAACCATAGATTACGGCTTCCAGAGG
 TTGCAGAAAGTGATACCCAGACATCCAGGTGACCCCGAAAGGTTACCCAAGGAAGTGTACTGAAGAGGG
 CAGCAGACCTTGTGGAAGCCTTGTATGGGATGCCTCACAATAACCAGGAGATCATCTGAAGAGAGCGGG
 CGACATTGCTGAGGCGTTGTACAGCGTTCCCGCAATCACAACCAGATCCCACCCCTGGGCAACACCCCA
 GCACACACTGGCATGATGGGTGTAAGTCTTACGAGCCAGCTAGCCGTTAATGTGTCAGAGACCTCAC
 AAGCCAATGACCAAGTCGGCTACAGTCGCAATACAAGCAGCGTGTCCCGCGAGGCTACGTCCCCAGCAG
 TACTCCCCAGCAGTCCAATTACAACACAGTCAGCACTAGCATGAATGGATATGGAAGTGGCGCCATGGCC
 AATCTAGGGTCCCTGGCTCGCTGGATTTCTTAATGGCTCCTCCGCTAACTCTCCCTACGGCATGAAAC
 AGAAGAGCGCTTTTGGCCCCGTGGTCCGGCCCCAAGCCTCGCCTCCTCCTTCTGACACCAGGCCAACGG
 GAACGGACTGCAAGCTATGTCTGGGCTGGTAGTCCCGCCCATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG224622 representing NM_010096
 Red=Cloning site Green=Tags(s)

MFGIQENIPRGGTTMKEEPLGSGMNPVRSWMHTAGVVDANTAAQSGVGLARAHFEKQPPSNLRKSNFFHF
 VLALYDRQGPVEIERTAFVDFVEKEKEPNNEKTNNGIHYKLQLLYSNGVRTEQDLVYVRLIDSMTKQAIY
 YEGQDKNPEMCRVLLTHEIMCSRCCDKKSCGNRNETPSDPVIIDRFLLKFFLKCNQCLKNAGNPRDMRR
 FQVVVSTTVNVDGHVLAUSDNMFVHNNSKHGRRARRLDPSEATPCIKAIISPSEGWTTGGATVIIIGDNFF
 DGLQVVFGTMLVWSELITPHAIRVQTPPRHIPGVVEVTL SYKSKQFCKGAPGRFVYALNEPTIDYGFQR
 LQKVI PRHPGDPERLPKEVLLKRAADLVEALYGMPHNNQEIILKRAADIAEALYSVPRNHNQIPTLGNT
 AHTGMMGVNSFSSQLAVNVSETSQANDQVGYSRNTSSVSPRGYVPSSTPQQSNYNTVSTSMNGYSGAMA
 NLGVPSPGFLNGSSANSPYGMKQKSAFAPVVRPQASPPPSCSANGNGLQAMSGLVVPPM

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_010096

ORF Size: 1653 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_010096.3](#), [NP_034226.1](#)

RefSeq Size: 4908 bp

RefSeq ORF: 1656 bp

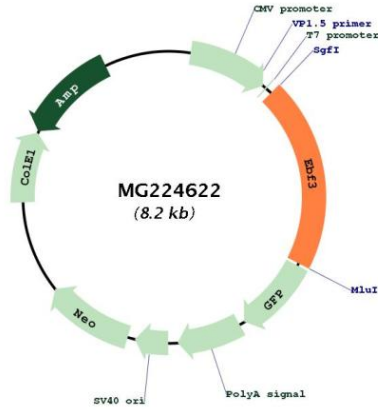
Locus ID: 13593

UniProt ID: [O08791](#)

Cytogenetics: 7 F3- F4

Gene Summary: Transcriptional activator (PubMed:9151732). Recognizes variations of the palindromic sequence 5'-ATTCCCNNGGAATT-3' (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG224622