

Product datasheet for **MG200691**

Bex1 (NM_009052) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: Bex1
Synonyms: AA407839; AU018692; Bex4; Rex3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG200691 representing NM_009052
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAGTCCAAAGATCAAGGCGTGAAAAATCTCAACATGGAGAATGACCATCAGAAAAAGGAGGAGAAGG
AAGAAAAGCCACAAGATACCATCAGAAGGGAGCCAGCTGTGGCCCTGACCTCCGAGGCTGGCAAAAAGT
TGCACCTAGAGGAGGTCGAGGCGGTTCCGGGTCGGCAGCCCATCGCTCACTATAGATGGACCTGATG
CAGAGGTTGGGGAGCCCCAGGGAAGGATGAGAGAGGAGAACGTACAGAGGTTGGGGCGATGTGAGAC
AGCTCATGGAGAAGCTGAGGGAAGGAGCTGAGCCACAGCCTGCGGGCGGTTAGCACTGACCCGCCTCA
TCATGACCACCATGATGAGTTTTGCCTCATGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200691 representing NM_009052
Red=Cloning site Green=Tags(s)

MESKDQGVKLNLMENDHQKKEEKKEKPQDIRREPAVALTSEAGKNCAPRGRRRFRVQRPIAHYRWDLM
QRVGEPQGRMREENVQRFGGDVRQLMEKLRERQLSHSLRAVSTDPPHDHHDEFCLMP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:


ACCN: NM_009052

ORF Size: 384 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.

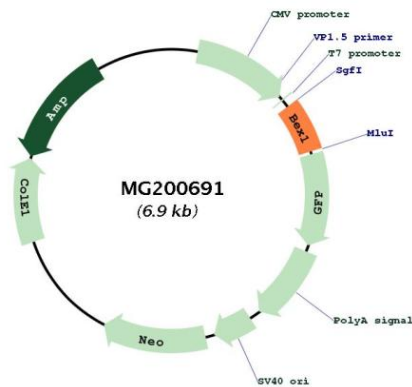
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq:	NM_009052.2 , NP_033078.2
RefSeq Size:	890 bp
RefSeq ORF:	387 bp
Locus ID:	19716
UniProt ID:	Q9R224

Cytogenetics: X 57.4 cM

Gene Summary: Signaling adapter molecule involved in p75^{NTR}/NGFR signaling. Plays a role in cell cycle progression and neuronal differentiation. Inhibits neuronal differentiation in response to nerve growth factor (NGF). May act as a link between the cell cycle and neurotrophic factor signaling, possibly by functioning as an upstream modulator of receptor signaling, coordinating biological responses to external signals with internal cellular states (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG200691