

Product datasheet for **MC209314**

Bex1 (NM_009052) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Bex1 (NM_009052) Mouse Untagged Clone
Tag: Tag Free
Symbol: Bex1
Synonyms: AA407839; AU018692; Bex4; Rex3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209314 representing NM_009052
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGTCCAAGATCAAGGCGTGAAAAATCTCAACATGGAGAATGACCATCAGAAAAAGGAGGAGAAGG
AAGAAAAGCCACAAGATACCATCAGAAGGGAGCCAGCTGTGGCCCTGACCTCCGAGGCTGGCAAAAAGT
TGCACCTAGAGGAGGTTCGAGGCGTTCCGGGTTCCGGCAGCCATCGCTCACTATAGATGGACCTGATG
CAGAGGGTTGGGGAGCCCAAGGAAGGATGAGAGAGGAGAACGTACAGAGGTTTGGGGGTGATGTGAGAC
AGCTCATGGAGAAGCTGAGGGAAAGGCAGCTGAGCCACAGCCTGCGGGCGGTTAGCACTGACCCGCCTCA
TCATGACCACCATGATGAGTTTTGCCTCATGCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_009052

Insert Size: 387 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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).



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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_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 p75NTR/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]