

Product datasheet for **RC236433**

NADE (BEX3) (NM_001282674) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: NADE (BEX3) (NM_001282674) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: BEX3
Synonyms: Bex; DXS6984E; HGR74; NADE; NGFRAP1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC236433 representing NM_001282674
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGGTGGCGGTGGGGGAAGGGGAGATCCTGCTGCACTGGCCGCCAAGTTGGGGGCGAGCTCG
GTGGTGACGCGCGCCCTCACGTGACCCAGAGCTGCAGAGCGACGACGCTTCGGTGCAGTCGTCCTCG
CGTCTGGCTACCAGCTCCCCGCTGCCCTGAGCTCGCGGGCTGGCATTTCGCCCGGGGAAAAGCGGAGCA
GAAAAACAACCAGAAAAAAAATCTCATCATGGCAAATATTCACCAGGAAAACGAAGAGATGGAGCAGC
CTATGCAGAATGGAGAGGAAGACCGCCCTTTGGGAGGAGGTGAAGGCCACCAGCTGCAGGAAATCGACG
GGGACAGGCTCGCCGACTTGCCCTAATTTTCGATGGGCCATACCAATAGGCAGATCAATGATGGGATG
GGTGGAGATGGAGATGATATGAAATATTCATGGAGGAGATGAGAGAAATCAGAAGAAAACCTAGGGAGC
TGCAGTTGAGGAATTGTCTGCGTATCCTTATGGGGAGCTCTAATCACCATGACCATCATGATGAATT
TGCCTTATGCCT

ACGCGTACGCGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236433 representing NM_001282674
Red=Cloning site Green=Tags(s)

MAVAGGGKGEILLHWPPKLGELGGDARPSRDPELQSDAAFVAVVTRVWLPAPRCPPELGGLAFGPGKSGA
EKQPEKKNLIMANIHQENEEME QPMQNGEEDRPLGGEGHQAPAGNRRGQARRLAPNFRWAI PNQRINDGM
GGDGDMEIFMEEMREIRRKLRELQLRNCLRILMGELSNHHDDHDEFCLMP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

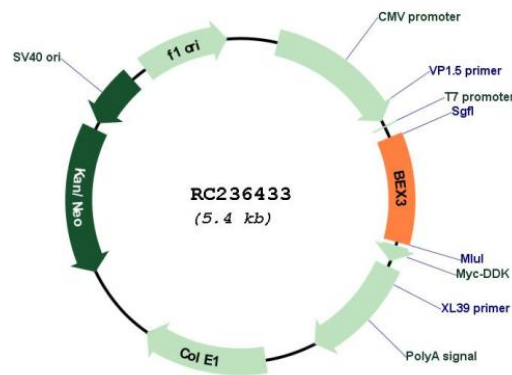


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001282674

ORF Size: 573 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_001282674.1](#), [NP_001269603.1](#)

RefSeq Size: 993 bp

RefSeq ORF: 576 bp

Locus ID: 27018

Cytogenetics: Xq22.2

Protein Families: Druggable Genome

Protein Pathways: Neurotrophin signaling pathway

MW: 21.6 kDa

Gene Summary: May be a signaling adapter molecule involved in p75NTR-mediated apoptosis induced by NGF. Plays a role in zinc-triggered neuronal death (By similarity). May play an important role in the pathogenesis of neurogenetic diseases.[UniProtKB/Swiss-Prot Function]