

Product datasheet for **RC227848**

BEAN1 (NM_001136106) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: BEAN1 (NM_001136106) Human Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: BEAN1
 Synonyms: BEAN; SCA31
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RC227848 representing NM_001136106
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCGCTATGCCTGCAGCTCCTCAGAGGACTGGCCCCACCCCTGGACATCAGCTCTGACGGGGACGTGG
 ATGCCACGGTGCTCAGGGAGCTGTACCCAGATTCTCCACCAGGCTACGAGGAGTGTGTGGGGCCAGGGGC
 CACTCAGCTGTATGTCCCACGGACGCACCACCACCTACTCGTACTGATTCTGCCCCACGCTGGAT
 GGCACCTCCGACTCAGGCAGCGGCCACAGCCCTGGCCGACACCAGCAGGAGCAGAGGACCCCGGCCAAG
 GTGGCCTTACACGGTCTCCATGGACACCTTCCCCCTACGAGGCTGTGTGCGGGGCTGGCCCCCCTC
 AGGCCTGCTGCCACTGCCGGGCCAGACCAGGGCCAAGGGGCTCCCAGGGCTACCCACCCCAACCCGG
 GCCCAGCCTCTGGCCAGAGAGGATTGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC227848 representing NM_001136106
 Red=Cloning site Green=Tags(s)

MRYACSSSEDWPPPLDISSDGDVDATVLRRELYPDSPPGYEECVGPGATQLYVPTDAPPYSLTDSCTPLD
 GTSDSGSHSPGRHQEQRTPAQGLHTVSMDTLPPYEAVCGAGPPSGLLPLPGPDPGPRGSGQSPTPTR
 APASGPERIV

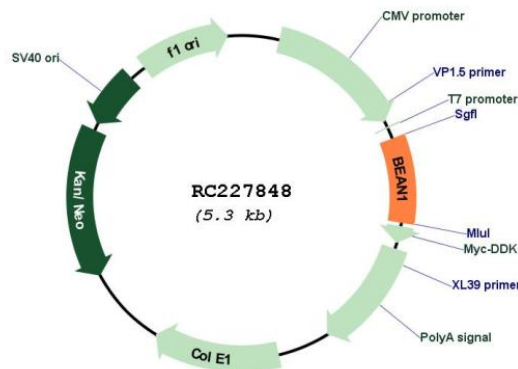
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:

Plasmid Map:


ACCN: NM_001136106

ORF Size: 450 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:	<ol style="list-style-type: none">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:	<u>NM_001136106.5</u>
RefSeq Size:	2824 bp
RefSeq ORF:	453 bp
Locus ID:	146227
UniProt ID:	<u>Q3B7T3</u>
Cytogenetics:	16q21
Protein Families:	Transmembrane
MW:	15.5 kDa
Gene Summary:	The protein encoded by this gene is one of several proteins that interact with NEDD4, a member of a family of ubiquitin-protein ligases. These proteins have PY motifs in common that bind to the WW domains of NEDD4. NEDD4 is developmentally regulated, and is highly expressed in embryonic tissues. Mutations in this gene (i.e., intronic insertions of >100 copies of pentanucleotide repeats including a (TGGAA) _n sequence) are associated with spinocerebellar ataxia type 31. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2010]