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Product datasheet for RG229781

BEAN1 (NM_001178020) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BEAN1 (NM_001178020) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BEAN1
Synonyms:	BEAN; SCA31
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG229781 representing NM_001178020
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCCTTCAAACGTCCCTGCCCCTTAGCACGATACAACCGCACCAGCTACTTCTACCCCACATTCTCAG
AGAGCTCGGAGCACAGCCATCTGCTCGTGTCCCCCGTGCTGGTGGCGAGTGCCGTCATAGGTGTGGTCAT
CATCCTCTCCTGCATCACCATCATTGTGGGCAGCATCCGCAGGGACAGGCAGGCCCGGCTTCAGCGGCAC
CGCCACCGCCACCACCGCCACCACCACCACCATCATCACCACCGCCGGCGTCGACACCGAGAGTACGAGC
ACGGCTACGTGTCGGACGAGCACACATACAGCCGCTCAAGCCGCAGGATGCGCTATGCCTGCAGCTCCTC
AGAGGACTGGCCCCCACCCTTGGACATCAGCTCTGACGGGGACGTGGATGCCACGGTGCTCAGGGAGCTG
TACCCAGATTCTCCACCAGGCTACGAGGAGTGTGTGGGGCCAGGGGCCACTCAGCTGTATGTCCCCACGG
ACGCACCACCACCCTACTCGCTGACTGATTCCTGCCCCACGCTGGATGGCACCTCCGACTCAGGCAGCGG
CCACAGCCCTGGCCGACACCAGCAGGAGCAGAGGACCCCGGCCCAAGGTGGCCTTCACACGGTCTCCATG
GACACCCTTCCCCCCTACGAGGCTGTGTGCGGGGCTGGCCCCCCATCAGGCCTGCTGCCACTGCCGGGCC
CAGACCCAGGGCCAAGGGGCTCCCAGGGCTCACCCACCCCAACCCGGGCCCCAGCCTCTGGCCCAGAGAG
GATTGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

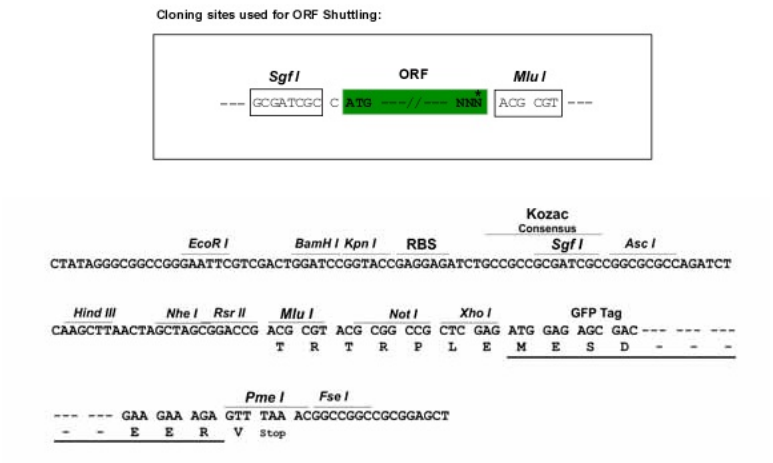
>RG229781 representing NM_001178020
Red=Cloning site Green=Tags(s)

MSFKRPCPLARYNRTSYFYPTFSESSEHSHLLVSPVLVASAVIGVVIILSCITIIVGSIRRDRQARLQRH
RHRHHRHHHHHHHHHRRRRHREYEHGYVSDEHTYSRSSRRMRYACSSSEDWPPPLDISSDGDVDATVLREL
YPDSPPGYEECVGPGATQLYVPTDAPPPYSLTDSCPTLDGTSDSGSGHSPGRHQQEQRTPAQGGLHTVSM
DTLPPYEAVCGAGPPSGLLPLPGPDPGPRGSQGSPTPTRAPASGPERIV

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001178020

ORF Size: 777 bp

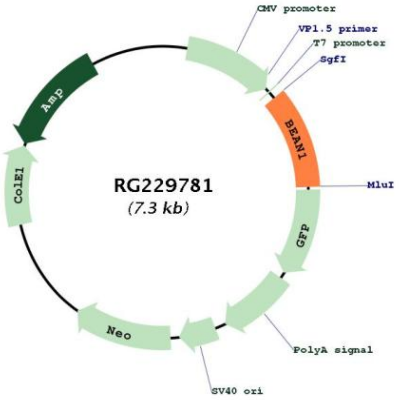
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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_001178020.3
RefSeq Size:	3315 bp
RefSeq ORF:	780 bp
Locus ID:	146227
UniProt ID:	Q3B7T3
Cytogenetics:	16q21
Protein Families:	Transmembrane
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]

Product images:



Circular map for RG229781