

Product datasheet for **RR200235**

Becn1 (NM_053739) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Becn1 (NM_053739) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Becn1
Synonyms:	Beclin1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR200235 representing NM_053739
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGGGTCTAAGGCGTCCAGCAGCACCATGCAGGTGAGCTTCGTGTGCCAGCGCTGTAGCCAGCCTC
 TGAAACTGGACACGAGCTTCAAGATCCTGGACCGAGTGACCATTAGGAACTCACAGCTCCATTACTTAC
 CACAGCCCAGGCGAAACCAGGAGAGAGCCAGGAGGAAGAGGCTAACTCAGGAGAGAGCCATTTATTGAA
 ACTCGCCAGGATGGTGTCTCTCGAAGATTCATCCCCCAGCCAGGATGATGTCTACAGAAAAGTGCTAATA
 GCTTCACTCTGATCGGGGAGGCATCTGATGGTGGCACCATGGAGAACCTCAGCCGGAGACTCAAGGTCAC
 TGGAGACCTTTTTGACATCATGTCTGGCCAGACAGATGTGGATCACCCACTGTGTGAGGAATGCACAGAT
 ACTCTTTTAGACCAGCTGGACACTCAGCTCAATGTTACTGAAAACGAGTGTGAGAACTACAAACGCTGTT
 TGGAGATGTTGGAGCAAATGAATGAGGGCGACAGTGAACAGCTACAGAGGGAGCTGAAGGAGTTGGCCTT
 GGAGGAGGAGAGGCTGATCCAGGAGCTGGAAGATGTGGAACAAAACCGAAAGGTGGTGGCAGAAAACCTG
 GAGAAGGTCCAGGCTGAGGCGGAGAGACTGGACCAGGAGGAAGCTCAGTACCAGCGAGAATATAGTGAAT
 TAAAAGGCAGCAGCTGGAGCTGGATGATGAGCTCAAGAGTGTAGAGAACCAGATGCGCTATGCCAGAT
 GCAGCTGGACAAGCTCAAGAAAACCAATGTCTTCAATGCGACCTTCCATATCTGGCACAGCGGACAATTT
 GGCACGATCAATAATTTAGACTGGGTCGCTTGCCAGTGTCTGTGGAATGGAATGAAATCAATGCTG
 CCTGGGGCCAGACAGTGTGTTGCTCCATGCTTTGGCCAATAAGATGGGTCTGAAATTTAGAGGTACCG
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 TGTTCTGGGGTTTGCGTTTTTCTGGGACAACAAGTTGACCATGCAATGGTAGCTTTTCTGGACTGTG
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 GAAAGGCAAGATTGAAGACACTGGAGCAGTGGCGGCTCCTATTCCATCAAACCCAGTTAACTCTGAG
 GAGCAGTGGACAAAGGCGCTCAAGTTCATGCTGACGAATCTCAAGTGGGGTCTTGTGGGTGCTCTCAC
 AGTTCTATAACAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>RR200235 representing NM_053739
 Red=Cloning site Green=Tags(s)

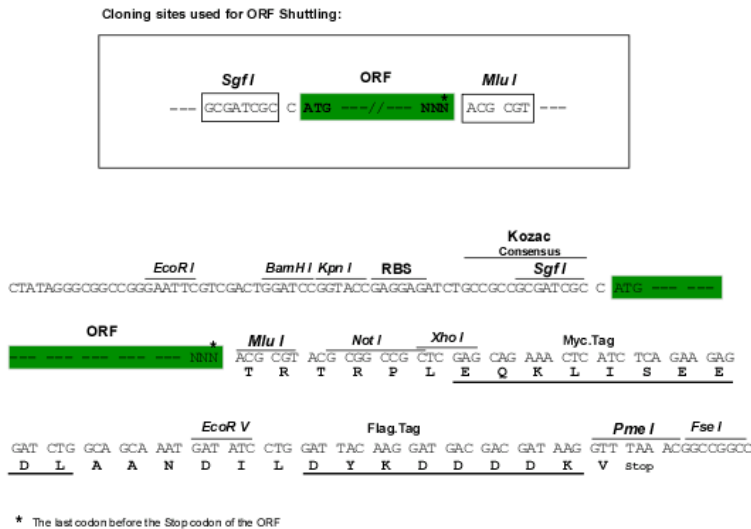
MEGSKASSSTMQVSFVCQRCSQPLKLDTSFKILDRVTIQELTAPLLTTAQAKPGESQEEEAANSGEFPFIE
 TRQDGVSRRFIPARMMSTESANSFTLIGEASDGGTMENLSRRLKVTGDLDFDMSGQTDVDHPLCEECD
 TLLDQLDQLNVTENECQNYKRCLMELQMEGDSEQLQRELKELALEEERLIQELEDVEKNRKYVAENL
 EKVQAEERLDQEEAQYQREYSEFKRQLELDDELKSVENQMRYAQMQLDKLKKTNVFNATFHIWHSQF
 GTINNFRLLGRLPSAPVEWNEINAAWGQTVLLLHALANKMGLKFQRYRVPYGNHSYLESLTDKSKELPLY
 CSGGLRFFWDNKFDHAMVAFLDCVQQFKEEVEKGETRFCLPYRMDVEKGIEDTGGSGGSYSIKTQFNSE
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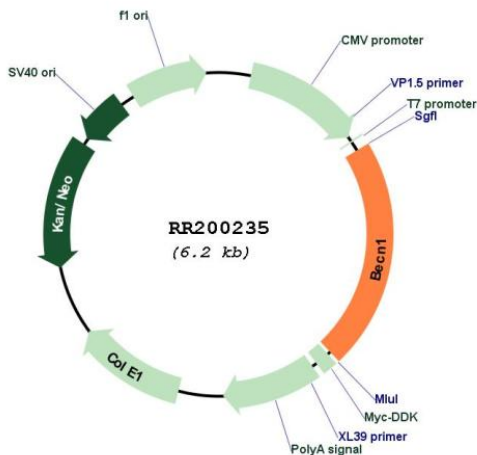
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_053739

ORF Size: 1344 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_053739.2](#), [NP_446191.1](#)

RefSeq Size: 2140 bp

RefSeq ORF: 1347 bp

Locus ID: 114558

UniProt ID: [Q91XJ1](#)

Cytogenetics: 10q31

MW: 51.6 kDa

Gene Summary: mouse homolog is a haploinsufficient tumor suppressor gene; plays a role in early embryonic development [RGD, Feb 2006]