

Product datasheet for **RN216694**

Becn1 (NM_001034117) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Becn1 (NM_001034117) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Becn1
Synonyms:	Beclin1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN216694 representing NM_001034117
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGGGGTCTAAGGCGTCCAGCAGCACCATGCAGGTGAGCTTCGTGTGCCAGCGCTGTAGCCAGCCTC
TGAAACTGGACACGAGCTTCAAGATCCTGGACCGAGTGACCATTAGGAACTCACAGCTCCATTACTTAC
CACAGCCCAGGCGAAACCAGGAGAGAGCCAGGAGGAAGAGGCTAACTCAGGAGAGAGCCATTTATTGAA
ACTCGCCAGGATGGTGTCTCTCGAAGATTCATCCCCCAGCCAGGATGATGTCTACAGAAAAGTGCTAATA
GCTTCACTCTGATCGGGGAGGCATCTGATGGTGGCACCATGGAGAACCTCAGCCGGAGACTCAAGGTCAC
TGGAGACCTTTTTGACATCATGTCTGGCCAGACAGATGTGGATCACCCACTGTGTGAGGAATGCACAGAT
ACTCTTTTAGACCAGCTGGACACTCAGCTCAATGTTACTGAAAACGAGTGCAGAACTACAAACGCTGTT
TGGAGATGTTGGAGCAAATGAATGAGGGCGACAGTGAACAGCTACAGAGGGAGCTGAAGGAGTTGGCCTT
GGAGGAGGAGAGGCTGATCCAGGAGCTGGAAGATGTGGAAAAAACCGAAAGGTGGTGGCAGAAAACCTG
GAGAAGGTCCAGGCTGAGGCGGAGAGACTGGACCAGGAGGAAGCTCAGTACCAGCGAGAATATAGTGAAT
TTAAAAGGCAGCAGCTGGAGCTGGATGATGAGCTCAAGAGTGTAGAGAACCAGATGCGCTATGCCAGAT
GCAGCTGGACAAGCTCAAGAAAACCAATGTCTTCAATGCGACCTTCCATATCTGGCACAGCGGACAATTT
GGCAGCATCAATAATTTAGACTGGGTCGCTTGCCAGTCTCCTGTGGAATGGAATGAAATCAATGCTG
CCTGGGGCCAGACAGTGTGTTGCTCCATGCTTTGGCCAATAAGATGGGTCTGAAATTTAGAGGTACCG
ACTTGTCCCTATGGAATCACTCGTATCTGGAGTCCCTGACAGACAAATCTAAGGAGTTGCCGTTGTAC
TGTTCTGGGGTTTTCGGTTTTTCTGGGACAACAAGTTTGACCATGCAATGGTAGCTTTTCTGGACTGTG
TGCAGCAGTTCAAAGAAGAGGTTGAAAAAGGAGAGACTCGATTTTGTCTCCGTACAGGATGGACTGGA
GAAAGGCAAGATTGAAGACACTGGAGGAGTGGCGGCTCCTATTCCATCAAACCCAGTTTAACTCTGAG
GAGCAGTGGACAAAGGCGCTCAAGTTCATGCTGACGAATCTCAAGTGGGGTCTTGCTGGGTGCTCTCAC
AGTTCTATAACAAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001034117

Insert Size: 1347 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001034117.1](#), [NP_001029289.1](#)

RefSeq Size: 2118 bp

RefSeq ORF: 1347 bp

Locus ID: 114558

UniProt ID: [Q91XJ1](#)

Cytogenetics: 10q31

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