

Product datasheet for **MC227750**

Becn2 (NM_001290692) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Becn2 (NM_001290692) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Becn2
Synonyms:	Beclin-2; Gm104
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC227750 representing NM_001290692
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTCCTGCCCTTCTCTGTGCCAGCGCTGCAAAGAACCCTGAAACTCTTACAGCAGCAGGGGGGGC
 CCTTGGAAGTCCAGCACCCCAATACCCACAGAAATTCAGTTTCTGCAGAGTCCCAAGTCAGGAC
 CTCGGCAGACCCCACTCTGACGGTGGCAGGGTGTCCAGGGAAGTGCCTCTGCACTTTTACTCTGCTT
 ACCTCTGGCGGACCGGACTCTGAAGGTGGCAGCAGCTCCAGGAAATGCCTGCTGTACCTTTACTCTGCT
 TTGGTGAATCTGCCTCCATGAGAACTATGAACACTATCCAAAATACTGTCTTAGAGACCTTCGAAATCCT
 CTCGACCAAAAAGGTGGTGGACCACCCGCTGTGTGGACTGTACCGACCATCTTCTGATGCAACTAGAC
 GACCAGCTCGCTCTCTGGCATCTGACAACCAGAAGTACAAAAGTTCCAGGACAGAGAGTTGCTGGTGA
 GTGAGGAAGAGAGGGAGGCGCTACACGGGAGCTTTGTGCCGAAGTCCAGTCTGGAGCAGGAGGAAGC
 AAGGCTGACCCAGGAGCTAGAGGATTTAGACGGCCATCATGCAAGGGTAGCCGCTGAACTCAGAGCAGCC
 CAGGCCGAGAGCAAGGAGCTGTATAAACAGCATGAGCAGCACAGGGTCGAGTACTCTGTTTTCAAGATGG
 AACAGCTGGAGCTGATGGACCAGCTGAGCAGTGTGGAGAACCAGCTGACGTATGCCTGAGTCAGCAGTA
 CCGCTTAAGACAGACCAATATCTTCAACGCCACATTTACCATTTCCAGATGAGGGTCCCTTGGGCGTTATC
 AACAAATTTAGGCTGGGCTGTCTCCCGGGGTCGGGTGGGCTGGACTGAGATCAGTTCTGCCTGGGGAC
 AGACAGTCTTACTGCTCTTCAGCTTGTCCAAGTAGCTGGACTGCAATCCAGAGATATCAACTGGTTCC
 CTTTGGGACCATTCCTATCTCAAGTCTTGACTGGTGTGGGATGAAGGCCTTCTGGACTGTCTTCAGCAGTTT
 TGGAGGAGATTGAGAGGGATGAGAGATGCCCTGCCTGCCCTACAGGATCCATGTGAAGGAAGGGCTGAT
 GGAGGATGTCTGGGACAGTGGGAGTGTCTCCATCAGGACCCATCTGAACCGGAGGAGGAGTGGTCC
 AGGGCTCTGAAATTCATGCTTTCGACTTGAAGTTGATCCTTGCTGGGCTTCTTAAGGTTTTCCAGAG
 TCCAGAGGCC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001290692
- Insert Size:** 1344 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_001290692.1](#), [NP_001277621.1](#)

RefSeq Size: 1789 bp

RefSeq ORF: 1344 bp

Locus ID: 226720

UniProt ID: [P0DM65](#)

Cytogenetics: 1 H4

Gene Summary: Involved in 2 distinct lysosomal degradation pathways: acts as a regulator of autophagy and as a regulator of G-protein coupled receptors turnover. Regulates degradation in lysosomes of a variety of G-protein coupled receptors via its interaction with GPRASP1/GASP1.
[UniProtKB/Swiss-Prot Function]