

## Recombinant Human BECN1 protein, His/MBP-tagged

Cat. No. BECN1-295H    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Recombinant Human BECN1(127-268 aa) fused with His/MBP tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                |
| Species          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Source           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| ProteinLength    | 127-268 aa                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Description      | This gene encodes a protein that regulates autophagy, a catabolic process of degradation induced by starvation. The encoded protein is a component of the phosphatidylinositol-3-kinase (PI3K) complex which mediates vesicle-trafficking processes. This protein is thought to play a role in multiple cellular processes, including tumorigenesis, neurodegeneration and apoptosis. Alternative splicing results in multiple transcript variants. |
| Form             | Liquid in PBS                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Purity           | SDS-PAGE >90%                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Applications     | WB Positive Control                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Stability        | Samples are stable for up to twelve months from date of receipt at -70°C.                                                                                                                                                                                                                                                                                                                                                                           |
| Storage          | Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be                                                                                                                                                                                                                                                                                                                                                             |

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aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

## GENE INFORMATION

**Gene Name** [BECN1 beclin 1, autophagy related \[ Homo sapiens \]](#)

**Official Symbol** [BECN1](#)

**Synonyms**

BECN1; beclin 1, autophagy related; beclin 1 (coiled coil, moesin like BCL2 interacting protein); beclin-1; ATG6; ATG6 autophagy related 6 homolog (S. cerevisiae); VPS30; ATG6 autophagy related 6 homolog; coiled-coil myosin-like BCL2-interacting protein; beclin 1 (coiled-coil, moesin-like BCL2 interacting protein); beclin 1 (coiled-coil, moesin-like BCL2-interacting protein); beclin1;

**Gene ID** [8678](#)

**mRNA Refseq** [NM\\_003766](#)

**Protein Refseq** [NP\\_003757](#)

**MIM** [604378](#)

**UniProt ID** [Q14457](#)

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