



Datasheet for ABIN2715218

Beclin 1 Protein (Myc-DYKDDDDK Tag)



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1 Image

1 Publication

Overview

Quantity:	20 µg
Target:	Beclin 1 (BECN1)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Beclin 1 protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)

Product Details

Characteristics:

- Recombinant human Beclin-1 protein expressed in HEK293 cells.
- Produced with end-sequenced ORF clone

Purity: > 80 % as determined by SDS-PAGE and Coomassie blue staining

Target Details

Target: Beclin 1 (BECN1)

Alternative Name: Beclin-1 ([BECN1 Products](#))

Background: 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.

Target Details

Molecular Weight: 51.7 kDa

NCBI Accession: [NP_003757](#)

Pathways: [Autophagy](#)

Application Details

Application Notes: Recombinant human proteins can be used for:
Native antigens for optimized antibody production
Positive controls in ELISA and other antibody assays

Comment: The tag is located at the C-terminal.

Restrictions: For Research Use only

Handling

Concentration: 50 µg/mL

Buffer: 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.

Storage: -80 °C

Storage Comment: Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.

Publications

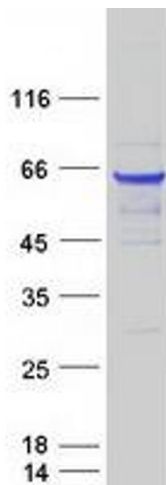
Product cited in: Shiryaev, Aleshin, Muranaka, Kukreja, Routenberg, Remacle, Liddington, Cieplak, Kozlov, Strongin: "Structural and functional diversity of metalloproteinases encoded by the *Bacteroides fragilis* pathogenicity island." in: **The FEBS journal**, Vol. 281, Issue 11, pp. 2487-502, (2014) ([PubMed](#)).

Ge, Siegel, Jordan, Naumann: "Ligand binding alters dimerization and sequestering of urokinase receptors in raft-mimicking lipid mixtures." in: **Biophysical journal**, Vol. 107, Issue 9, pp. 2101-11, (2014) ([PubMed](#)).

Garcia-Sanz, Quintanilla, Lafita, Moreno-Bueno, García-Gutierrez, Tabor, Varela, Shiio, Larsson, Portillo, Leon: "Sin3b interacts with Myc and decreases Myc levels." in: **The Journal of biological chemistry**, Vol. 289, Issue 32, pp. 22221-36, (2014) ([PubMed](#)).

Wang, Henry, Distefano, Wang, Rääkkönen, Mönkkönen, Tanaka, Morita: "Butyrophilin 3A1 plays an essential role in prenyl pyrophosphate stimulation of human V α 2V β 2 T cells." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 191, Issue 3, pp. 1029-42, (2013) ([PubMed](#)).

Bardeleben, Sharma, Reeve, Bassilian, Frost, Hoang, Shi, Lichtenstein: "Metabolomics identifies pyrimidine starvation as the mechanism of 5-aminoimidazole-4-carboxamide-1- β -ribose-induced apoptosis in multiple myeloma cells." in: **Molecular cancer therapeutics**, Vol. 12, Issue 7, pp. 1310-21, (2013) ([PubMed](#)).



Western Blotting

Image 1. Validation with Western Blot