

## Product datasheet for PH301629

### Beclin 1 (BECN1) (NM\_003766) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	BECN1 MS Standard C13 and N15-labeled recombinant protein (NP_003757)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201629
Predicted MW:	51.7 kDa
Protein Sequence:	>RC201629 representing NM_003766 Red=Cloning site Green=Tags(s)

MEGSKTSNNSTMQVSFVCQRCSQPLKLDTSFKILDRTVIQELTAPLLTTAQAKPGETQEEETNSGEEPI  
ETPRQDGVSRRFIPPARMMSTESANSFTLIGEASDGGTMENLSRRLKVTGDLFDIMSGQTDVHPLCEEC  
TDTLLDQLDTQLNVTENECQNYKRCLEILEQMNEDDSEQLQMELKELALEEERLIQELEDVEKNRKIVAE  
NLEKVVQAEERLDQEEAQYQREYSEFKRQQLDDELKSVENQMRYAQTQLDKLKKTNVFNATFHIWHSG  
QFGTINNFRLGRLPSVPVEWNEINAAWGQTVLLHALANKMGLKFQRYRLVPYGNHSYLSLTDKSKELP  
LYCSGGLRFFWDNKFHAMVAFLDCVQQFKEEVEKGETRFCLPYRMDVEKGIKIEDTGGSGGSYSIKTQFN  
SEEQWTKALKFMLTNLKWGLAWVSSQFYNK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_003757</u>
RefSeq Size:	2144
RefSeq ORF:	1350
Synonyms:	ATG6; beclin1; VPS30



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Locus ID: 8678

UniProt ID: [Q14457](#), [A0A024R1X5](#)

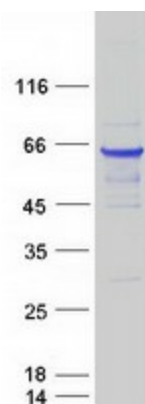
Cytogenetics: 17q21.31

**Summary:** 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. [provided by RefSeq, Sep 2015]

**Protein Families:** Druggable Genome

**Protein Pathways:** Regulation of autophagy

### Product images:



Coomassie blue staining of purified BECN1 protein (Cat# [TP301629]). The protein was produced from HEK293T cells transfected with BECN1 cDNA clone (Cat# [RC201629]) using MegaTran 2.0 (Cat# [TT210002]).