

## Product datasheet for **TP301629M**

### Beclin 1 (BECN1) (NM\_003766) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human beclin 1, autophagy related (BECN1), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201629 representing NM_003766 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MEGSKTSNNSTMQVSFVCQRCSQPLKLDTSFKILDRVTIQELTAPLLTTAQAKPGETQEEETNSGEEPFIE ETPRQDGVSRRFIPPARMMSTESANSFTLIGEASDGGTMENLSRRLKVTGDLFDIMSGQTDVDHPLCEEC TDTLLDQLDQLNVTENECQNYKRCLEILEQMNEEDDSEQLQMELKELALEEERLIQELEDVEKNRIVAE NLEKVQAEAERLDQEEAQYQREYSEFKRQQLDDELKSVENQMRYAQQLDKLKTNVFNATFHIWHS QFGTINNFRGLPSVPVEWNEINAAWGQTVLLLHALANKMGLKFQRYRLVPYGNHSYLESITDKSKELP LYCSGGLRFFWDNKFHAMVAFLDCVQQFKEEVEKGETRFCLPYRMDVEKGKIEDTGGSGGSYSIKTFN SEEQWTKALKFMLTNLKWGLAWSSQFYNK</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-Myc/DDK
Predicted MW:	51.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Bioactivity:	Enzyme substrate (PMID: <a href="#">25642769</a> )
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_003757](#)

Locus ID: 8678

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

RefSeq Size: 2144

Cytogenetics: 17q21.31

RefSeq ORF: 1350

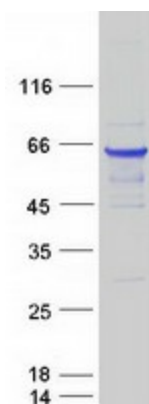
Synonyms: ATG6; beclin1; VPS30

**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]).