

## Product datasheet for TP301629

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

#### Product data:

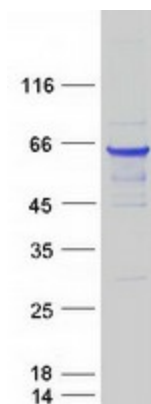
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human beclin 1, autophagy related (BECN1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201629 representing NM_003766 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MEGSKTSNNSTMQVSFVCQRCSQPLKLDTSFKILDRVTIQELTAPLLTTAQAKPGETQEEETNSGEEPI ETPRQDGVSRFPARMSTESANSFTLIGEASDGGTMENLSRRLKVTGDLFDIMSGQTDVDHPLCEEC TDTLLDQLDTQLNVTENECQNYKRCLILEQMNEDDSEQLQMELEKELALEEERLIQELEDVEKNRKIVAE NLEKVQAEAERLDQEEAQYQREYSEFKRQQLDDELKSVENQMRYAQTQLDKLKKTNVFNATFHIWHS G QFGTINNFRLGRLPSVPVEWNEINAAWGQTVLLLHALANKMGLKFQRYRLVPYGNHSYLESLTDKSKELP LYCSGGLRFFWDNKFHAMVAFLDCVQQFKEEVEKGETRFLPYRMDVEKGIKIEDTGGSGGSYSIKTQFN SEEQWTKALKFMLTNLKWGLAWVSSQFYNK  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
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.



[View online »](#)

<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_003757</a>
<b>Locus ID:</b>	8678
<b>UniProt ID:</b>	<a href="#">Q14457</a>
<b>RefSeq Size:</b>	2144
<b>Cytogenetics:</b>	17q21.31
<b>RefSeq ORF:</b>	1350
<b>Synonyms:</b>	ATG6; beclin1; VPS30
<b>Summary:</b>	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]
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	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]).