

Active Recombinant Full Length Human BECN1 Protein, C-Flag-tagged

Cat. No. BECN1-161HFL **Lot. No.** (See product label)

SPECIFICATION	
Product Overview	Recombinant Full Length Human BECN1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	Enzyme substrate
Molecular Mass	51.7 kDa
AA Sequence	MEGSKTSNNSTMQVSFVCQRCSQPLKLDTSFKILDRVTIQELTAPLLTTAQAKPGET QEEETNSGEEPFI ETPRQDGVSRRFIPPARMMSTESANSFTLIGEASDGGTMENLS RRLKVTGDLFDIMSGQTDVDHPLCEECDTLLDQLDQLNV TENECQNYKRCLEILE QMNEDDSEQLQMELKELALEEERLIQELEDVEKNRKIVAE NLEKVQAEAEERLDQEE

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AQYQREYSEFKRQQLELDDDELKSVENQMRYAQTQLDKLKKTNVFNATFHIWHSG Q
 FGTINNFRLLGRLPSPVEWNEINAAWGQTVLLLHALANKMGLKFQRYRLVPYGNHS
 YLESLTDKSKELP LYCSGGLRFFWDNKFDHAMVAFLDCVQQFKEEVEKGETRFCLP
 YRMDVEKGKIEDTGSGSGSYSIKTQFN
 SEEQWTKALKFMLTNLKWGLAWVSSQFYNKTRTRPLEQKLISEEDLAANDILDYKDD
 DDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Regulation of autophagy
Full Length	Full L.

GENE INFORMATION

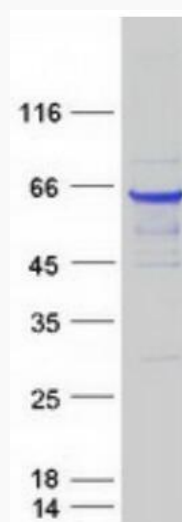
Gene Name	BECN1 beclin 1 [Homo sapiens (human)]
Official Symbol	BECN1

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Synonyms	ATG6; VPS30; beclin1
Gene ID	8678
mRNA Refseq	NM_003766.5
Protein Refseq	NP_003757.1
MIM	604378
UniProt ID	Q14457



Coomassie blue staining of purified BECN1 protein.