

Recombinant Human BECN1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. BECN1-3340H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	BECN1 MS Standard C13 and N15-labeled recombinant protein (NP_003757) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	51.7 kDa
AA Sequence	MEGSKTSNNSTMQVSFVCQRCSQPLKLDTSFKILDRVTIQELTAPLLTTAQAKPGET QEEETNSGEEPFIETPRQDGVSRRFIPPARMMSTESANSFTLIGEASDGGTMENLSR RLKVTGDLFDIMSGQTDVDHPLCEECDTLLDQLDTQLNVTENECQNYKRCLEILEQ MNEDDSEQLQMELKELALEEERLIQELEDVEKNRKIVAENLEKVQAEAERLDQEEAQ YQREYSEFKRQQLDDELKSVENQMRYAQTQLDKLKKTNVFNATFHIWHSGQFGT INNFRGLRPLSPVVEWNEINAAGWQTVLLLHALANKMGLKFQRYRLVPYGNHSTYLE SLTDKSKELPLYCSGGLRFFWDNKFHAMVAFLDCVQQFKEEVEKGETRFLCPYR

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	MDVEKGGKIEDTGGSGGSYSIKTQFNSEEQWTKALKFMLTNLKWGLAWVSSQFYNK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	BECN1 beclin 1 [Homo sapiens (human)]
Official Symbol	BECN1
Synonyms	BECN1; beclin 1, autophagy related; beclin 1 (coiled coil, moesin like BCL2 interacting protein); beclin-1; ATG6; ATG6 autophagy related 6 homolog (S. cerevisiae); VPS30; ATG6 autophagy related 6 homolog; coiled-coil myosin-like BCL2-interacting protein; beclin 1 (coiled-coil, moesin-like BCL2 interacting protein); beclin 1 (coiled-coil, moesin-like BCL2-interacting protein); beclin1;
Gene ID	8678
mRNA Refseq	NM_003766
Protein Refseq	NP_003757

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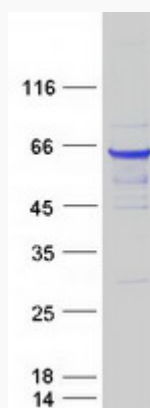
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MIM 604378

UniProt ID Q14457

SDS-PAGE



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