

Recombinant Full Length Human BECN1 Protein, GST-tagged

Cat. No. BECN1-1567HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human BECN1 full-length ORF (NP_003757.1, 1 a.a. - 450 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	450 amino acids
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	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	78.3 kDa
AA Sequence	MEGSKTSNNS TMQVSFVCQR CSQPLKLDTS FKILDRVTIQ ELTAPLLTTA QAKPGETQEE ETNSGEEPFI ETPRQDGVSR RFIPPARMMS TESANSFTLI GEASDGGTME NLSRRLKVTG DLFDIMSGQT DVDHPLCEEC TDLLDQLDT QLNVTENECQ NYKRCLEILE QMNEDDSEQL QMELKELALE EERLIQELED VEKNRKIVAE NLEKVQAEAE RLDQEEAQYQ REYSEFKRQQ LELEDDELKSV

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ENQMRYAQTQ LDKLKKTNVF NATFHIWHSG QFGTINNFRL GRLPSVPVEW
 NEINAAWGQT VLLLHALANK MGLKFQRYRL VPYGNHSYLE SLTDKSKELP
 LYCSGGLRFF WDNKFDHAMV AFLDCVQQFK EEVEKGETRF CLPYRMDVEK
 GKIEDTGGSG GSYSIKTQFN SEEQWTKALK FMLTNLKWGL AWWSSQFYNK

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [BECN1 beclin 1, autophagy related \[Homo sapiens \]](#)

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](#)

MIM [604378](#)

UniProt ID [Q14457](#)

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