



Catalog Number: PR27257

Product Type: Recombinant Protein

Source: *E. Coli*

Amino Acid Sequence: MGSSHHHHHH SGLVPRGSH MEGSKTSNNS TMQVSFVCQR CSQPLKLDTS FKILDRVTIQ ELTAPLLTTA QAKPGETQEE ETNSGEEPFI ETPRQDGVSR RFIPPARMMS TESANSFTLI GEASDGGTME NLSRRLKVTG DLFDIMSGQT DVDHPLCEEC TDLLDQLDT QLNVTENECQ NYKRCLEILE QMNEDDSEQL QMELKELALE EERLIQELED VEKNRKIVAE NLEKVQAEAE RLDQEEAQYQ REYSEFKRQQ LELDDELKSV ENQMRYAQTQ LDKLKKTNVF NATFHIWHSQ QFGTINNFRLL GRLPSVPVEW NEINAAWGQT VLLLHALANK MGLKFQRYRL VPYGNHSYLE SLTDKSKELP LYCSGGLRFF WDNKFDHAMV AFLDCVQQFK EEVEKGETRF CLPYRMDVEK GKIEDTGGSG GSYSIKTQFN SEEQWTKALK FMLTNLKWGL AWWSSQFYNK.

Description/Molecular Mass: BECN1, Beclin-1 and autophagy-related gene (Atg) 6, is a member of the beclin family. BECN1 has a key role in autophagy and antiviral host defense. Beclin-1 and its binding partner class III phosphoinositide 3-kinase (PI3K), also named Vps34, are vital for the initiation of the formation of the autophagosome in autophagy. Also it is required for the abscission step of cytokinesis.

BECN1 Human Recombinant produced in *E. Coli* is a single, non-glycosylated polypeptide chain containing 470 amino acids (1-450 a.a) and having a molecular mass of 54.1kDa.

BECN1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Purity: Greater than 85.0% as determined by:
(a) Analysis by SDS-PAGE.

Format: BECN1 protein solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.5), 0.1M NaCl, 10% glycerol and 1mM DTT.

Storage: Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

FOR RESEARCH USE ONLY

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