

## BECN1 Human

**Description:** 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.

Catalog #: PRPS-1296

For research use only.

**Synonyms:** ATG6, beclin1, VPS30, Coiled-coil myosin-like BCL2-interacting protein, Beclin-1, GT197.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered clear solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MEGSKTSNNS TMQVSFVCQR  
CSQPLKLDTS FKILDRVTIQ ELTAPLLTTA QAKPGETQEE ETNSGEEPFI ETPRQDGVSR  
RFIPPARMMS TESANSFTLI GEASDGGTME NLSRRLKVTG DLFDIMSGQT DVDHPLCEEC  
TDTLLDQLDT QLNVTENECQ NYKRCLEILE QMNEDDSEQL QMELKELALE EERLIQELED  
VEKNRKIVAE NL

**Purity:** Greater than 85.0% as determined by SDS-PAGE.

**Formulation:**

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

**Stability:**

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.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

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.

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