

BECN1, 1-450aa, Human, His tag, E.coli

Cat.NO.: TP01322

3th Edition

Synonyms: beclin 1, ATG6, beclin1, VPS30

Description: BECN1, also as known as Beclin-1 and autophagy-related gene (Atg) 6, belongs to the beclin family. This protein plays a central role in autophagy. Beclin-1 and its binding partner class III phosphoinositide 3-kinase (PI3K), also named Vps34, are required for the initiation of the formation of the autophagosome in autophagy.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.5) containing 0.1M NaCl, 10% glycerol, 1mM DTT

Molecular Weight: 54.1 kDa (470aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMEGSKTSNNSTMQVSFVCQRCSQPLKLDTSFKILDRVTIQELTAPLLTTAAQAKPG
ETQEEETNSGEEPFIETPRQDGVSRRFIPPARMMSTESANSFTLIGEASDGGTMENLSRRLKVTGDLFDIMSGQTD
VDHPLCEECDTLLDQLDTQLNVTENECQNYKRCLEILEQMNEDDSEQLQMELEKELALEEERLIQELEDVEKNRKIV
AENLEKVQAEAEERLDQEEAQYQREYSEFKRQQLDDELKSVENQMRYAQTQLDKLKKTNVFNATFHIWHSQQFG
TINNFRLLGRLPSVPVEWNEINAAWGQTVLLLHALANKMGLKFQRYRLVPYGNHSYLESLTDKSKELPLYCSGGLRF
FWDNKFHAMVAFLDCVQQKFEEVEKGETRFCLPYRMDVEKGKIEDTGGSGGSYSIKTQFNSEEQWTKALKFMLT
NLKWGLAWVSSQFYNK

Purity: > 95% by HPLC

Concentration: 0.25 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.