

# BDNF Human, His

*Brain-Derived Neurotrophic Factor Human Recombinant, His Tag*  
NTR0007

## Product Overview

Name BDNF Human, His

### Description

Brain-Derived Neurotrophic Factor Human Recombinant, His Tag

Accession (Primary) [P23560](#)

### Synonyms

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

### 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.

### Source

Escherichia Coli.

### Physical Appearance

Sterile Filtered clear solution.

### Formulation

BECN1 protein solution (0.25mg/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.

### Purity

Greater than 85.0% as determined by SDS-PAGE.

### Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MEGSKTSNNS TMQVSFVCQR CSQPLKLDTS FKILDRVITQ ELTAPLLTTA  
QAKPGETQEE ETNSGEEPFI ETPRQDGVSR RFIPPARMMS TESANSFTLI GEASDGGTME NLSRRLKVTG  
DLFDIMSGQT DVDHPLCEEC TDLLDQLDT QLNVTENECQ NYKRCLEILE QMNEDDSEQL QMELKELALE  
EERLIQELED VEKNRKIVAE NLEKVQAEAE RLDQEEAQYQ REYSEFKRQQ LELDDELKSV ENQMRYAQTQ  
LDKLKKTNVF NATFHIWHSQ QFGTINNFR LRLPSVPVEW NEINAAWGQT VLLHALANK MGLKFQRYRL

VPYGNHSYLE SLTDKSKELP LYCSGGLRFF WDNKFDHAMV AFLDCVQQFK EEVEKGETRF CLPYRMDVEK  
GKIEDTGGSG GSYSIKTQFN SEEQWTKALK FMLTNLKWGL AWWSSQFYNK.

#### Precautions

BDNF Human, His is for research use only and not for use in diagnostic or therapeutic procedures.

**Target Information:** ( [P23560](#) )