

# Product Datasheet

## Recombinant Human Beclin 1 GST (N-Term) Protein H00008678-P01-10ug

Unit Size: 10 ug

Store at -80C. Avoid freeze-thaw cycles.

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**H00008678-P01-10ug****Recombinant Human Beclin 1 GST (N-Term) Protein**

<b>Product Information</b>	
<b>Unit Size</b>	10 ug
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -80C. Avoid freeze-thaw cycles.
<b>Preservative</b>	No Preservative
<b>Purity</b>	>80% by SDS-PAGE and Coomassie blue staining
<b>Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH 8.0 in the elution buffer.
<b>Target Molecular Weight</b>	78.3 kDa

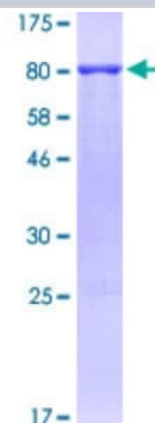
<b>Product Description</b>	
<b>Description</b>	<p>A recombinant protein with GST tag at N-terminal corresponding to the amino acids 1-450 of Human BECN1</p> <p><b>Source:</b> <i>Wheat Germ (in vitro)</i></p> <p><b>Amino Acid Sequence:</b>  MEGSKTSNNSTMQVSFVCQRCSQPLKLDTSFKILDRVTIQELTAPLLTTAQAKP  GETQEEETNSGEEPFIETPRQDGVSRFPARMSTESANSFTLIGEASDGG  TMENLSRRLKVTGDLFDIMSGQTDVDHPLCEECDTLLDQLDTQLNVTENECQ  NYKRCLEILEQMNEEDDSEQLQMELEKALAEERLIQELEDVEKNRKIVAENLEK  VQAEAERLDQEEAQYQREYSEFKRQQLELDDELKSVENQMRYAQTQLDKLKK  TNVFNATFHIWHSQQFGTINNFRLLGRLPSPVEWNEINAAWGQTVLLHALAN  KMGLKFQRYRLVPYGNHSYLESITDKSKELPLYCSGGLRFFWDNKFDHAMVA  FLDCVQQFKEEVEKGETRFCLPYRMDVEKGKIEDTGGSGGSYSIKTQFNSEEQ  WTKALKFMLTNLKWGLAWVSSQFYNK</p>
<b>Gene ID</b>	8678
<b>Gene Symbol</b>	BECN1
<b>Species</b>	Human
<b>Preparation Method</b>	in vitro wheat germ expression system
<b>Details of Functionality</b>	This protein was produced in an in vitro wheat germ expression system that should preserve correct conformational folding that is necessary for biological function. While it is possible that this protein could display some level of activity, the functionality of this protein has not been explicitly measured or validated.
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA, Protein Array, SDS-Page, Immunoaffinity Purification
<b>Recommended Dilutions</b>	Western Blot, ELISA, SDS-Page, Protein Array, Immunoaffinity Purification



## Images

SDS-Page: Recombinant Human Beclin 1 Protein [H00008678-P01] - 12.5% SDS-PAGE Stained with Coomassie Blue.



## Publications

Rohn TT, Wirawan E, Brown RJ et al. Depletion of Beclin-1 due to proteolytic cleavage by caspases in the Alzheimer's disease brain. *Neurobiol Dis.* 2010-11-21 [PMID: 21081164]

Novgorodov SA, Chudakova DA, Wheeler BW et al. Developmentally regulated ceramide synthase 6 increases mitochondrial  $\text{Ca}^{2+}$ -loading capacity and promotes apoptosis. *J Biol Chem.* 2010-12-10 [PMID: 21148554]

Giatromanolaki A, Koukourakis MI, Koutsopoulos A et al. High Beclin 1 expression defines a poor prognosis in endometrial adenocarcinomas. *Gynecol Oncol.* 2011-07-07 [PMID: 21741077]



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### **Products Related to H00008678-P01-10ug**

NB500-249PEP	Beclin 1 Antibody Blocking Peptide
H00008878-M01	p62/SQSTM1 Antibody (2C11)
NB500-249	Beclin 1 Antibody - BSA Free
AF835	Caspase-3 Antibody [Unconjugated] - Active

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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