

## Product datasheet for TP507162

### Becn1 (NM\_019584) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse beclin 1, autophagy related (Becn1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR207162 representing NM_019584 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MEGSKASSSTMQVSFVCQRCSQPLKLDTSFKILDRVTIQELTAPLLTTAQAKPGETQEEEANSGEPPFIE TRQDGVSRRFIPPARRMMSTESANSFTLIGEASDGGTMENLSRRLKVTGDLFDIMSGQTDVDHPLCEECTD TLLDQLDTQLNVTENECQNYKRCLEILEQMNEEDSEQLQRELKELALEEERLIQELEDVEKNRKYVAENL EKVQAEERLDQEEAQYQREYSEFKRQQLDDELKSVENQVRYAQIQDKLKKTNVFNATFHIWHSQGQF GTINNFRLGRLPSVPVEWNEINAAWGQTVLLLHALANKMGLKFQRYRLVPYGNHSYLESITDKSKELPLY CSGGLRFFWDNKFHAMVAFLDCVQQFKEEVEKGETRFCLPYRMDVEKGIKEDTGGSGGSYSIKTFNSE EQWTKALKFMLTNLKWGLAWVSSQFYNK
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-MYC/DDK
Predicted MW:	52 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_062530</a></u>
Locus ID:	56208



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UniProt ID:	<u>O88597</u>
RefSeq Size:	2031
Cytogenetics:	11 D
RefSeq ORF:	1344
Synonyms:	4921513J16Rik; 5430417M23Rik; Atg6
Summary:	Plays a central role in autophagy (PubMed:10604474, PubMed:12372286, PubMed:19270693, PubMed:28445460). Acts as core subunit of different PI3K complex forms that mediate formation of phosphatidylinositol 3-phosphate and are believed to play a role in multiple membrane trafficking pathways: PI3KC3-C1 is involved in initiation of autophagosomes and PI3KC3-C2 in maturation of autophagosomes and endocytosis (PubMed:19270693, PubMed:25275521). Involved in regulation of degradative endocytic trafficking and required for the abscission step in cytokinesis, probably in the context of PI3KC3-C2 (By similarity). Essential for the formation of PI3KC3-C2 but not PI3KC3-C1 PI3K complex forms (PubMed:25275521). Involved in endocytosis including endosome formation in neuronal cells (PubMed:25275521). May play a role in antiviral host defense (By similarity).[UniProtKB/Swiss-Prot Function]