

Beclin 1-associated autophagy-related key regulator (ATG14) Recombinant Protein | ATG14 recombinant protein

Recombinant Human Beclin 1-associated autophagy-related key regulator (ATG14)

CATALOG # AAA117532	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
-------------------------------	---

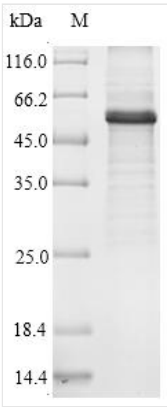
PRODUCT SYNONYMS

Beclin 1-associated autophagy-related key regulator (ATG14); Recombinant Human Beclin 1-associated autophagy-related key regulator (ATG14); Beclin 1-associated autophagy-related key regulator; Barkor; Autophagy-related protein 14-like protein; Atg14L; ATG14 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-492aa; Full Length
Sequence	MASPSGKGAR ALEAPGCGPR PLARDLVDSV DDAEGLYVAV ERCPLCNTTR RRLTCAKCVQ SGDFVYFDGR DRERFIDKKE RLSRLKSKQE EFQKEVLKAM EGKWITDQLR WKIMSKMRI EQLKQTICKG NEEMEKNSEG LLKTKEKNQK LYSRAQRHQE KKEKIQRHNR KLGDLVEKKT IDLRSHYERL ANLRSHILE LTSVIFPIEE VKTGVRDPAD VSSESDSAMT SSTVSKLAEA RRTTYLSGRW VCDDHNGDTS ISITGPWISL PNNGDYSAYY SWVEEKTTQ GPDMEQSNPA YTISAALCYA TQLVNILSHI LDVNLPPKLC NSEFCGENLS KQKFTRAVKK LNANILYLCF SQHVNLDSLQ PLHTLRNLMY LVSPSSEHLG RSGPFVRAD LEESMEFVDP GVAGESDESG DERVSDEETD LGTDWENLPS PRFCDIPSQS VEVSSQSQSTQ ASPPIASSSA GGMISAAAAS VTSWFKAYTG HR
Species	Homo sapiens (Human)
Production Note	Special Offer: The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Coli host-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our or email to for more details.
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for ATG14 recombinant protein	Required for both basal and inducible autophagy. Determines the localization of the autophagy-specific PI3-kinase complex PI3KC3-C1 (PubMed:18843052, PubMed:19050071). Plays a role in autophagosome formation and MAP1LC3/LC3 conjugation to phosphatidylethanolamine (PubMed:19270696, PubMed:20713597). Promotes BECN1 translocation from the trans-Golgi network to autophagosomes (PubMed:20713597). Enhances PIK3C3 activity in a BECN1-dependent manner. Essential for the autophagy-dependent phosphorylation of BECN1 (PubMed:23878393). Stimulates the phosphorylation of BECN1, but suppresses the phosphorylation PIK3C3 by AMPK (PubMed:23878393). Binds to STX17-SNAP29 binary t-SNARE complex on autophagosomes and primes it for VAMP8 interaction to promote autophagosome-endolysosome fusion (PubMed:25686604). Modulates the hepatic lipid metabolism (By similarity).
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	50540545
NCBI GeneID	22863
NCBI Accession #	NP_055739.2
NCBI GenBank Nucleotide #	NM_014924.4
UniProt Accession #	Q6ZNE5; O94920; Q32MK7; Q32MK8; A6NJE4; A8K9U5; B7ZWP5
Molecular Weight	60.3 kDa
NCBI Official Full Name	beclin 1-associated autophagy-related key regulator
NCBI Official Synonym Full Names	autophagy related 14
NCBI Official Symbol	ATG14
NCBI Official Synonym Symbols	ATG14L; BARKOR; KIAA0831
NCBI Protein Information	beclin 1-associated autophagy-related key regulator; Beclin 1-Interacting protein; ATG14 autophagy related 14 homolog; autophagy-related protein 14-like protein
UniProt Protein Name	Beclin 1-associated autophagy-related key regulator
UniProt Gene Name	ATG14
UniProt Synonym Gene Names	KIAA0831; Barkor; Atg14L
UniProt Entry Name	BAKOR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

