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Datasheet for ABIN1096062

ATG10 Protein (AA 1-190) (His tag,T7 tag)

Overview

Quantity:	50 µg
Target:	ATG10
Protein Characteristics:	AA 1-190
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ATG10 protein is labelled with His tag,T7 tag.

Product Details

Purpose:	Recombinant Human Autophagy Related 10 Homolog/ATG10 (C-6His, N-T7 tag)
Sequence:	MASMTGGQQM GRGSMEEDF IGEKTFQRYC AEFIKHSQQI GDSWEWRPSK DCSDGYMCKI HFQIKNGSVM SHLGASTHGQ TCLPMEEAFE LPLDDCEVIE TAAASEVIKY EYHVLYSCSY QVPVLYFRAS FLDGRPLTLK DIWEGVHECY KMRLQLGPWD TITQREHPIL GQPFFVLHPC KTNEFMTPVL KNSQKINKNV NYITLEHHHH HH
Characteristics:	Recombinant Human Autophagy Related 10 Homolog/ATG10 (C-6His, N-T7 tag)
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	ATG10
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Target Details

Alternative Name:	Ubiquitin-Like-Conjugating Enzyme ATG10/ATG10 (ATG10 Products)
Background:	<p>Recombinant Human Ubiquitin-Like-Conjugating Enzyme ATG10/ATG10 produced by E. coli expression system. The target protein is expressed with sequence (Met1-Thr190) of Human ATG10 fused with a 6His tag at the C-terminus.</p> <p>Ubiquitin-Like-Conjugating Enzyme ATG10 (ATG10) is a ubiquitous 28 kDa member of the ATG10 family protein. ATG10 acts as an E2-like enzyme, catalyzes the transfer of ATG12 to ATG5 during in the initial stages of autophagosome formation. The heterodimer of ATG5 and ATG12 subsequently associates non-covalently with an ATG16 multimer to generate an autophagosome. ATG10 plays a role in the conjugation of ATG12 to ATG5 by interaction with MAP1LC3A. In addition, ATG10 can directly interact with ATG5 or ATG7.</p>
Molecular Weight:	24.5 kDa
UniProt:	Q9H0Y0
Pathways:	ER-Nucleus Signaling , Autophagy

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 8.0.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	<p>Store at < -20°C, stable for 6 months after receipt.</p> <p>Please minimize freeze-thaw cycles.</p>
Expiry Date:	6 months