

Datasheet for ABIN7559677
ATG10 Protein (AA 1-215) (His tag)



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Overview

Quantity:	1 mg
Target:	ATG10
Protein Characteristics:	AA 1-215
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ATG10 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Atg10 Protein expressed in mammalian cells.
Sequence:	MEDEFFGEKS FQHYCAEFIR HSQQIGDGWE WRTAKECSDG YMCKTQFRIK NEASTPHVGT PASVLTCLPT EENLELPMDD SEVTRPAAVA EVIKHEYHVL YSCSYQVPVL YFRASFLDGR PLALEDIWEG VHECYKPRLL QGPWDTITQQ EHPILGQPFV VLHPCKTNEF MTAVLKNSQK INRNVNYITS WLSLVGPVVG LNLPLSYAKA TSQSE Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	ATG10
Alternative Name:	Atg10 (ATG10 Products)
Background:	Ubiquitin-like-conjugating enzyme ATG10 (EC 2.3.2.-) (Autophagy-related protein 10) (APG10-like) (mAPG10),FUNCTION: E2-like enzyme involved in autophagy. Acts as an E2-like enzyme that catalyzes the conjugation of ATG12 to ATG5. ATG12 conjugation to ATG5 is required for autophagy. Likely serves as an ATG5-recognition molecule. Not involved in ATG12 conjugation to ATG3. Plays a role in adenovirus-mediated cell lysis. {ECO:0000269 PubMed:12890687, ECO:0000269 PubMed:20723759, ECO:0000269 PubMed:21367888}.
Molecular Weight:	24.6 kDa
UniProt:	Q8R1P4
Pathways:	ER-Nucleus Signaling, Autophagy

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Application Details

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months