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ATG4A Protein (His tag)



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Quantity:	50 μg
Target:	ATG4A
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ATG4A protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human ATG4A Protein (His Tag)	
Sequence:	Met 1-Val398	
Characteristics:	Recombinant Human Autophagy Related 4 Homolog A is produced by our E.coli expression system and the target gene encoding Met1-Val398 is expressed with a 6His tag at the N-terminus.	
Purity:	> 85 % as determined by reducing SDS-PAGE.	
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.	

Target Details

Target:	ATG4A	
Alternative Name:	ATG4A (ATG4A Products)	
Background:	Background: Cysteine Protease ATG4A (ATG4A) is a cytoplasmic protein that belongs to the peptidase C54 family. ATG4A is widely expressed in many tissues at a low level, but the high	

Target Details

expression is observed in skeletal muscle and brain. ATG4A is a cysteine protease required for autophagy, it cleaves the C-terminal part of MAP1LC3, GABARAPL2 or GABARAP. ATG4A is inhibited by N-ethylmaleimide. It is suggested that ATG4A has a significant role in suppressing various cancers.

Synonym: Cysteine Protease ATG4A, AUT-Like 2 Cysteine Endopeptidase, Autophagin-2, Autophagy-Related Cysteine Endopeptidase 2, Autophagy-Related Protein 4 Homolog A, hAPG4A, ATG4A, APG4A, AUTL2

Molecular Weight: 47.5 kDa

UniProt: Q8WYN0

Pathways: Autophagy

Application Details

Restrictions: For Research Use only

Handling

Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.