

# Recombinant Human ATG4C Protein (His Tag)

Catalog Number:PKSH032100



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

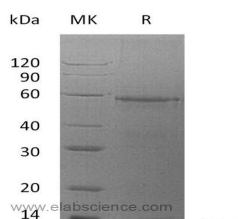
## Description

<b>Synonyms</b>	Cysteine Protease ATG4C; AUT-Like 3 Cysteine Endopeptidase; Autophagin-3; Autophagy-Related Cysteine Endopeptidase 3; Autophagy-Related Protein 4 homolog C; ATG4C; APG4C; AUTL1; AUTL3
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Met1-Leu458
<b>Accession</b>	Q96DT6
<b>Calculated Molecular Weight</b>	53.6 kDa
<b>Observed molecular weight</b>	58 kDa
<b>Tag</b>	C-6His

## Properties

<b>Purity</b>	> 90 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at< -20°C.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 100mM NaCl, 10% Glycerol, pH 8.0.
<b>Reconstitution</b>	Not Applicable

## Data



## Background

Cysteine Protease ATG4C (ATG4C) belongs to the peptidase C54 family. It is required for autophagy, which cleaves the C-terminal part of either MAP1LC3, GABARAPL2 or GABARAP, allowing the liberation of form I. A subpopulation of form I is subsequently converted to a smaller form which is considered to be the phosphatidylethanolamine (PE)-conjugated form, and has the capacity for the binding to autophagosomes. ATG4C is a cytoplasmic protein and high expressed in skeletal muscle, liver, testis and heart. ATG4C can be inhibited by N-ethylmaleimide.

## For Research Use Only

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