



Recombinant Protein Technical Manual

Recombinant Human ATG4A Protein (His Tag)

RPES3144

Product Data:

Product SKU: RPES3144

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: Q8WYN0

Protein Information:

Molecular Mass: 47.5 kDa

AP Molecular Mass: 45-55 kDa

Tag: N-6His

Bio-activity:

Purity: > 85 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: 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.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: 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

Immunogen Information:

Sequence: Met 1-Val398

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 highest 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.