Data Sheet (Cat.No.TMPJ-01250)

TargetMol

ATG4A Protein, Human, Recombinant (His)

General Information

Synonyms:	ATG4A;Autophagin-2;AUT-Like 2 Cysteine Endopeptidase;APG4A;Autophagy-Related Protein 4 Homolog A;Autophagy-Related Cysteine Endopeptidase 2;hAPG4A;Cysteine Protease ATG4A;AUTL2
Protein Construction:	Met1-Val398
Species:	Human
Expression Host:	E. coli
Accession:	Q8WYN0
Molecular Weight:	40-55 KDa (reducing condition)
AA Sequence:	Met1-Val398

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 80% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Supplied as a 0.2 μm filtered solution of PBS, pH 7.4.

Preparation and Storage

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein 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.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481