

## 32-8166: Recombinant Human Autophagy Related 4 Homolog A/ATG4A (N-6His)

**Gene :** ATG4A  
**Gene ID :** 115201  
**Uniprot ID :** Q8WYN0

### Description

Source: E. coli.  
MW :47.5kD.

Recombinant Human Autophagy protein 4A 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. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl,pH7.4.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHSSGLVPRGSHMESVLSKYEDQITIFTDYLEEYPTDELVWILGKQHLLKTEKSKLLSDISARLW  
FTYRRKFSPIGGTGPSSDAGWGCMLRCGQMMLAQALICRHLGRDWSWEKQKEQPKEYQRILQCFLDRKDCC  
YSIHQMAQMGVGEKSGIGEWFGPNTVAQVLKLLALFDEWNSLAVYVSM DNTVVIEDIKKMCRVLP LSADTAG  
DRPPDSL TASNQSKGTSAYCSAWKPLLLIVPLRLGINQINPVYVDAFKECFKMPQSLGALGGKPNNA YFIGFLG  
DELIFLDPHTTQTFVDTEENGT VNDQTFHCLQSPQRMNINLDP SVALGFFCKEEKDFDNWCSLVQKEILKENL  
RMFELVQKHPSHWPPFVPPAKPEVTTTGA EFIDSTEQLEEF DLEEDFEILSV

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.