

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
YSIHQMAQMGVGEKSGIGEWFGPNTVAQVLKLLALFDEWNSLAVYVSMDNVVIEDIKKMCRVLPPLSADTAG
DRPPDSLTSASNQSKGTSAYCSAWKPLLLIVPLRLGINQINPVYVDAFKECFKMPQSLGALGGKPNNAYYFIGFLG
DELIFLDPHTTQTFVDTEENGTVNDQTFHCLQSPQRMNINLNDPSVALGFFCKEEKDFDNWCSLVQKEILKENL
RMFELVQKHPSHWPPFVPPAKPEVTTTGAEFIDSTEQLEEFDLEEDFEILSV

Application Note

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