

Recombinant Human ATG4A protein ab172826

描述	
产品名称	重组人ATG4A蛋白
纯度	> 95 % SDS-PAGE. Purity is greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE. Supplied as a 0.2 µM filtered solution.
内毒素水平	< 1.000 Eu/µg
表达系统	Escherichia coli
Accession	<u>Q8WYN0</u>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	MGSSHHHHHHSSGLVPRGSHMESVL SKYEDQITIFTDYLEEY PDTDELVW ILGKQHLLKTEKSKLLSDISARLWFTYRRKFSPIGGTGPSSD AGWGCMRLR CGQMMLAQALICRHLGRDWSWEKQKEQPKEYQRILQCFLDRK DCCYSIHQ MAQMGVGEGKSIGEWFGPNTVAQVLKKLALFDEWNSLAVYVS MDNTVVIE DIKKMCRVLPLSADTAGDRPPDSL TASNQSKGTSAYCSAWKP LLLIVPLR LGINQINPVYVDAFKECFKMPQSLGALGGKPNNAYYFIGFLG DELIFLDP HTTQTFVDTEENGTVNDQTFHCLQSPQRMNILNLDPSVALGF FCKEEKDF DNWCSLVQKEILKENLRMFELVQKHPSHWPPFVPPAKPEVTT TGAEFIDS TEQLEEFDLEEDFEILSV
预测分子量	45 kDa
氨基酸	1 to 398
标签	His tag N-Terminus
技术指标	

Our **Abpromise guarantee** covers the use of **ab172826** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	HPLC
	SDS-PAGE
形式	Liquid

制备和贮存

稳定性和存储	Shipped on Dry Ice. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
	pH: 7.40
	Constituent: 100% PBS

常规信息

功能	Cysteine protease 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 (form II). Form II, with a revealed C-terminal glycine, is considered to be the phosphatidylethanolamine (PE)-conjugated form, and has the capacity for the binding to autophagosomes. Preferred substrate is GABARAPL2 followed by MAP1LC3A and GABARAP.
组织特异性	Widely expressed, at a low level, and the highest expression is observed in skeletal muscle and brain. Also detected in fetal liver.
序列相似性	Belongs to the peptidase C54 family.
细胞定位	Cytoplasm.

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