

Product Data Sheet

Recombinant Human ATG4A Protein

Catalog #	Source	Reactivity	Applications
CRP1089	E. coli	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human ATG4A Protein 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.		
Form	Liquid in a 0.2 µM filtered solution of PBS, pH7.4.		
Gene Symbol	ATG4A		
Alternative Names	APG4A; AUTL2; Cysteine protease ATG4A; AUT-like 2 cysteine endopeptidase; Autophagin-2; Autophagy-related cysteine endopeptidase 2; Autophagy-related protein 4 homolog A; hAPG4A		
Entrez Gene	115201 (Human)		
SwissProt	Q8WYN0 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	MGSSHHHHHH SSGLVPRGSH MESVLSKYED QITIFTDYLE EYPDTDELVW ILGKQHLLKT EKSKLLSDIS ARLWFTYRRK FSPIGGTGPS SDAGWGCMRLR CGQMMLAQAL ICRHLGRDWS WEKQKEQPKE YQRILQCFLD RKDCCYSIHQ MAQMGVGEGK SIGEWFGPNT VAQVLKKLAL FDEWNSLAVY VSMDNTVVIE DIKKMCRVLP LSADTAGDRP PDSLTASNQS KGTSAYCSAW KPLLLIVPLR LGINQINPVY VDAFKECFKM PQSLGALGGK PNNAYYFIGF LGDELIFLDP HTTQTFVDTE ENGTVNDQTF HCLQSPQRMN ILNLDP SVAL GFFCKEEKDF DNWC SLVQKE ILKENLRMFE LVQKHPSHWP PFVPPAKPEV TTTGAEFIDS TEQLEEFDL E DFEILSV		
Quality Control	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Storage/Stability

Store it at -20°C to -80°C for one year.

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