Recombinant Human ATG4C Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ATG4C-2548H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ATG4C MS Standard C13 and N15-labeled recombinant protein (NP_116241) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Autophagy is the process by which endogenous proteins and damaged organelles are destroyed intracellularly. Autophagy is postulated to be essential for cell homeostasis and cell remodeling during differentiation, metamorphosis, non-apoptotic cell death, and aging. Reduced levels of autophagy have been described in some malignant tumors, and a role for autophagy in controlling the unregulated cell growth linked to cancer has been proposed. This gene encodes a member of the autophagin protein family. The encoded protein is also designated as a member of the C-54 family of cysteine proteases. Alternate transcriptional splice variants, encoding the same protein, have been characterized.
Molecular Mass	52.3 kDa
AA Sequence	MEATGTDEVDKLKTKFISAWNNMKYSWVLKTKTYFSRNSPVLLLGKCYHFKYEDED KTLPAESGCTIEDHVIAGNVEEFRKDFISRIWLTYREEFPQIEGSALTTDCGWGCTLR TGQMLLAQGLILHFLGRAWTWPDALNIENSDSESWTSHTVKKFTASFEASLSGERE FKTPTISLKETIGKYSDDHEMRNEVYHRKIISWFGDSPLALFGLHQLIEYGKKSGKKA

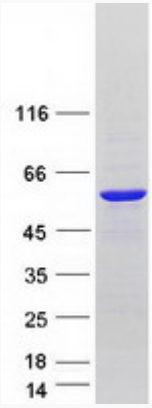
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	GDWYGPAVVAHILRKAVEEARHPDLQGITIYVAQDCTVYNSDVIDKQSASMTSDNAD DKAVIILVPVRLGGERTNTDYLEFVKGILSLEYCVGIIGGKPKQSYYFAGFQDDSLIYM DPHYCQSFVDVSIKDFPLETFHCPSPKKMSFRKMDPSCTIGFYCRNVQDFKRASEEI TKMLKFSSKEKYPLFTFVNGHSRDYDFTSTTTNEEDLFSEDEKKQLKRFSTEEFVLL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	ATG4C autophagy related 4C cysteine peptidase [Homo sapiens (human)]
Official Symbol	ATG4C
Synonyms	ATG4C; ATG4 autophagy related 4 homolog C (S. cerevisiae); APG4 autophagy 4 homolog C (S. cerevisiae), APG4C, AUT (S. cerevisiae) like 1, cysteine endopeptidase; AUT like 1, cysteine endopeptidase (S. cerevisiae), AUTL1; cysteine protease ATG4C; AUTL3; FLJ14867; autophagin-3; APG4 autophagy 4 homolog C; AUT-like 3 cysteine endopeptidase; AUT-like 1, cysteine endopeptidase; autophagy-related protein 4 homolog C; autophagy-related cysteine endopeptidase 3; APG4C; AUTL1; APG4-C;

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Gene ID	84938
mRNA Refseq	NM_032852
Protein Refseq	NP_116241
MIM	611339
UniProt ID	Q96DT6
SDS-PAGE	

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