

# Human ATG4C Knockdown Cell Lysate

**Cat. No.** ATG4C-058HKCL    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	WB-validated ATG4C Knockdown HeLa Cell Lysate
<b>Species</b>	Human
<b>Source</b>	HeLa
<b>Description</b>	<p>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.</p>
<b>Form</b>	Cell-Tissue Lysis buffer
<b>Molecular Mass</b>	52 kDa
<b>Notes</b>	<p>Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.</p>

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<b>Storage</b>	Store at -20 centigrade for two years.
<b>Concentration</b>	Lot-specific
<b>Shipping</b>	Blue Ice
<b>Components</b>	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg ATG4C KD HeLa cell lysate
<b>Protein Families</b>	Protease
<b>Protein Pathways</b>	Regulation of autophagy
<b>Lysate QC</b>	RT-qPCR; Western Blotting (WB)

## GENE INFORMATION

<b>Gene Name</b>	ATG4C ATG4 autophagy related 4 homolog C ( <i>S. cerevisiae</i> ) [ <i>Homo sapiens</i> (human) ]
<b>Official Symbol</b>	ATG4C
<b>Synonyms</b>	ATG4C; ATG4 autophagy related 4 homolog C ( <i>S. cerevisiae</i> ); APG4 autophagy 4 homolog C ( <i>S. cerevisiae</i> ), APG4C, AUT ( <i>S. cerevisiae</i> ) like 1, cysteine endopeptidase; AUT like 1, cysteine endopeptidase ( <i>S. cerevisiae</i> ), 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;
<b>Gene ID</b>	84938

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mRNA Refseq	NM_032852
Protein Refseq	NP_116241
MIM	611339
UniProt ID	Q96DT6

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