

## Recombinant Human ATG4C 293 Cell Lysate

**Cat. No.** ATG4C-8623HCL    **Lot. No.** (See product label)

### SPECIFICATION

|                            |   |
|----------------------------|---|
| <b>Species</b>             | Human   |
| <b>Source</b>              | HEK293  |
| <b>Description</b>         | Antigen standard for ATG4 autophagy related 4 homolog C ( <i>S. cerevisiae</i> ) (ATG4C), transcript variant 8 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.  |
| <b>Components</b>          | This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol). |
| <b>Size</b>                | 0.1 mg  |
| <b>Storage Instruction</b> | Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.   |
| <b>Applications</b>        | ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the   |

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

## GENE INFORMATION

|                            |  |
|----------------------------|--|
| <b>Gene Name</b>           | ATG4C ATG4 autophagy related 4 homolog C ( <i>S. cerevisiae</i> ) [ <i>Homo sapiens</i> ]  |
| <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  |
| <b>mRNA Refseq</b>         | NM_032852  |
| <b>Protein Refseq</b>      | NP_116241  |
| <b>MIM</b>                 | 611339   |
| <b>UniProt ID</b>          | Q96DT6   |
| <b>Chromosome Location</b> | 1p31.3   |
| <b>Pathway</b>             | Regulation of autophagy, organism-specific biosystem; Regulation of autophagy, conserved biosystem;  |

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**Function**

cysteine-type endopeptidase activity; peptidase activity;

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