

Recombinant Human ATG3 293 Cell Lysate

Cat. No. ATG3-8625HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for ATG3 autophagy related 3 homolog (<i>S. cerevisiae</i>) (ATG3) 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.
Components	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).
Size	0.1 mg
Storage Instruction	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.
Applications	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

Gene Name	ATG3 ATG3 autophagy related 3 homolog (<i>S. cerevisiae</i>) [<i>Homo sapiens</i>]
Official Symbol	ATG3
Synonyms	ATG3; ATG3 autophagy related 3 homolog (<i>S. cerevisiae</i>); APG3 autophagy 3 like (<i>S. cerevisiae</i>) , APG3L; ubiquitin-like-conjugating enzyme ATG3; DKFZp564M1178; FLJ22125; MGC15201; PC3 96; hApg3; 2610016C12Rik; autophagy-related protein 3; APG3; APG3L; PC3-96; APG3-LIKE;
Gene ID	64422
mRNA Refseq	NM_022488
Protein Refseq	NP_071933
MIM	609606
UniProt ID	Q9NT62
Chromosome Location	3q13.2
Pathway	Regulation of autophagy, organism-specific biosystem; Regulation of autophagy, conserved biosystem; Senescence and Autophagy, organism-specific biosystem;
Function	Atg12 ligase activity; Atg8 ligase activity; enzyme binding; ligase activity; protein binding; small conjugating protein ligase activity;

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