Recombinant Human ATG5 293 Cell Lysate

Cat. No. ATG5-8622HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for ATG5 autophagy related 5 homolog (S. cerevisiae) (ATG5) 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.

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

GENE INFORMATION

Gene Name	ATG5 ATG5 autophagy related 5 homolog (S. cerevisiae) [Homo sapiens]
Official Symbol	ATG5
Synonyms	ATG5; ATG5 autophagy related 5 homolog (S. cerevisiae); APG5 (autophagy 5, S. cerevisiae) like , APG5 autophagy 5 like (S. cerevisiae) , APG5L; autophagy protein 5; APG5; ASP; hAPG5; apoptosis specific protein; apoptosis-specific protein; APG5L; APG5-LIKE;
Gene ID	9474
mRNA Refseq	NM_004849
Protein Refseq	NP_004840
MIM	604261
UniProt ID	Q9H1Y0
Chromosome Location	6q21
Pathway	Immune System, organism-specific biosystem; Innate Immune System, organism-specific biosystem; Negative regulators of RIG-I/MDA5 signaling, organism-specific biosystem; RIG-I-like receptor signaling pathway, organism-specific biosystem; RIG-I-

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	like receptor signaling pathway, conserved biosystem; RIG-I/MDA5 mediated induction of IFN-alpha/beta pathways, organism-specific biosystem; Regulation of autophagy, organism-specific biosystem;
Function	protein binding;

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