

Recombinant Human ATG12 293 Cell Lysate

Cat. No. ATG12-8626HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for ATG12 autophagy related 12 homolog (<i>S. cerevisiae</i>) (ATG12) 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

ATG12 ATG12 autophagy related 12 homolog (S. cerevisiae) [Homo sapiens]

Official Symbol

ATG12

Synonyms

ATG12; ATG12 autophagy related 12 homolog (S. cerevisiae); Apg12 (autophagy 12, S. cerevisiae) like , APG12 autophagy 12 like (S. cerevisiae) , APG12L; ubiquitin-like protein ATG12; APG12; APG12 autophagy 12 like; autophagy-related protein 12; Apg12 (autophagy, yeast) homolog; FBR93; APG12L; HAPG12;

Gene ID

9140

mRNA Refseq

NM_004707

Protein Refseq

NP_004698

MIM

609608

UniProt ID

O94817

Chromosome Location

5q21-q22

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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