

Recombinant Human ULK1 293 Cell Lysate

Cat. No. ULK1-505HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for unc-51-like kinase 1 (C. elegans) (ULK1) 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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

ULK1 unc-51-like kinase 1 (C. elegans) [Homo sapiens]

Official Symbol

ULK1

Synonyms

ULK1; unc-51-like kinase 1 (C. elegans); unc 51 (C. elegans) like kinase 1; serine/threonine-protein kinase ULK1; ATG1; ATG1 autophagy related 1 homolog (S. cerevisiae); ATG1A; ATG1 autophagy related 1 homolog; autophagy-related protein 1 homolog; UNC51; hATG1; Unc51.1; FLJ38455; FLJ46475;

Gene ID

8408

mRNA Refseq

NM_003565

Protein Refseq

NP_003556

MIM

603168

UniProt ID

O75385

Chromosome Location

12q24.3

Pathway

Regulation of autophagy, organism-specific biosystem; Regulation of autophagy, conserved biosystem; Senescence and Autophagy, organism-specific biosystem; mTOR signaling pathway, organism-specific biosystem; mTOR signaling pathway,

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conserved biosystem;

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