

Recombinant Full Length Human ULK1, FLAG-tagged

Cat. No. ULK1-31666TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human ULK1 with N-terminal Flag tag expressed in FreeStyle 293-F cells; MWt 113 kDa.
Species	Human
Source	HEK293
ProteinLength	2-1050 a.a.
Description	Serine/threonine-protein kinase ULK1 is an enzyme that in humans is encoded by the ULK1 gene.
Conjugation	FLAG
Molecular Weight	113.000kDa inclusive of tags
Tissue specificity	Ubiquitously expressed. Detected in the following adult tissues: skeletal muscle, heart, pancreas, brain, placenta, liver, kidney, and lung.
Form	Liquid
Storage buffer	Preservative: None Constituents: 20% Glycerol, 0.05% Tween 20, 3mM DTT, 25mM Tris HCl, 100mM Sodium chloride, pH 7.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequence Similarities Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. APG1/unc-51/ULK1 subfamily. Contains 1 protein kinase domain.

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;

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, conserved biosystem;

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Function

ATP binding; nucleotide binding; protein binding; protein complex binding; protein serine/threonine kinase activity;

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