

## Recombinant Full Length Human ULK1, FLAG-tagged

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

### SPECIFICATION

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