

## Recombinant Human ULK3, His-tagged

Cat. No. ULK3-31667TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human ULK3 expressed in a Baculovirus infected Sf9 cell system with an N-terminal His tag, 51kDa.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	1 amino acids
<b>Description</b>	Serine/threonine protein kinase which enhances GLI1 and GLI2 transcriptional activity and consequently positively regulates GLI-dependent SHH signaling. May exert this function by promoting GLI1 nuclear localization.
<b>Conjugation</b>	HIS
<b>Molecular Weight</b>	51.000kDa inclusive of tags
<b>Tissue specificity</b>	Widely expressed. Highest levels observed in fetal brain. In adult tissues, high levels in brain, liver and kidney, moderate levels in testis and adrenal gland and low levels in heart, lung, stomach, thymus, prostate and placenta. In the brain, highest ex
<b>Biological activity</b>	The Specific activity of ULK3-31667TH was determined to be 230 nmol/min/mg.
<b>Form</b>	Liquid

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<b>Purity</b>	>95% by SDS-PAGE
<b>Storage buffer</b>	Preservative: 150mM Imidazole Constituents: 25% Glycerol, 50mM Sodium phosphate, 300mM Sodium chloride, 0.25mM DTT, 0.1mM PMSF, pH 7.0
<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
<b>Sequence Similarities</b>	Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. APG1/unc-51/ULK1 subfamily. Contains 2 MIT domains. Contains 1 protein kinase domain.

## GENE INFORMATION

<b>Gene Name</b>	ULK3 unc-51-like kinase 3 (C. elegans) [ Homo sapiens ]
<b>Official Symbol</b>	ULK3
<b>Synonyms</b>	ULK3; unc-51-like kinase 3 (C. elegans); serine/threonine-protein kinase ULK3; DKFZP434C131; FLJ90566;
<b>Gene ID</b>	25989
<b>mRNA Refseq</b>	NM_001099436
<b>Protein Refseq</b>	NP_001092906
<b>MIM</b>	613472
<b>Uniprot ID</b>	Q6PHR2
<b>Chromosome Location</b>	15q24.1

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**Pathway**

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

**Function**

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

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