

## Recombinant Human Unc-51-Like Kinase 3 (*C. elegans*), His-tagged

Cat. No. ULK3-1116H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Full-length recombinant human ULK3 was expressed by baculovirus in Sf9 insect cells using an N-terminal His tag.
<b>Species</b>	Human
<b>Source</b>	Sf10 Insect Cell
<b>Description</b>	ULK3 or unc-51-like kinase 3 is a member of the serine/threonine kinase family that is involved in the SHH signaling pathway as a positive regulator of GLI proteins. ULK3 enhances endogenous and over-expressed GLI transcriptional activity in cultured cells and alters its subcellular localization. Furthermore, ULK3 phosphorylates GLI proteins in vitro. ULK3 is widely expressed and its expression is higher in a number of tissues where SHH signaling is known to be active, again suggesting that ULK3 is involved in the SHH pathway as a positive regulator of GLI proteins.
<b>Applications</b>	Kinase Assay; Western Blot
<b>Molecular Weight</b>	51kDa
<b>Expression System</b>	Sf9 insect cells using baculovirus
<b>Form</b>	Recombinant protein stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150 mM imidazole, 0.1 mM PMSF, 0.25 mM DTT, 25% glycerol.

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<b>Specific Activity</b>	230nmol/min/mg
<b>Purity</b>	>90%
<b>Concentration</b>	0.1 ug/ul
<b>Sequences</b>	Full-length
<b>Storage</b>	Store product at -70oC. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles. Product shipped on dry ice.
<b>Pathways</b>	Regulation of autophagy; mTOR signaling pathway

## GENE INFORMATION

<b>Gene Name</b>	ULK3 unc-51-like kinase 3 (C. elegans) [ Homo sapiens ]
<b>Official Symbol</b>	UKL3
<b>Synonyms</b>	ULK3; unc-51-like kinase 3 (C. elegans); FLJ90566; DKFZp434C131; serine/threonine-protein kinase ULK3; DKFZP434C131; EC 2.7.11.1; Unc-51-like kinase 3
<b>Gene ID</b>	<a href="#">25989</a>
<b>mRNA Refseq</b>	<a href="#">NM_001099436</a>
<b>Protein Refseq</b>	<a href="#">NP_001092906</a>

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<b>MIM</b>	613472
<b>UniProt ID</b>	Q6PHR2
<b>Chromosome Location</b>	15q24.1
<b>Function</b>	ATP binding; nucleotide binding; protein binding; protein serine/threonine kinase activity

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