

Recombinant Human ULK3, His-tagged

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

SPECIFICATION

Product Overview	Recombinant full length Human ULK3 expressed in a Baculovirus infected Sf9 cell system with an N-terminal His tag, 51kDa.
Species	Human
Source	Insect Cells
ProteinLength	1 amino acids
Description	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.
Conjugation	HIS
Molecular Weight	51.000kDa inclusive of tags
Tissue specificity	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
Biological activity	The Specific activity of ULK3-31667TH was determined to be 230 nmol/min/mg.
Form	Liquid

 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

Purity	>95% by SDS-PAGE
Storage buffer	Preservative: 150mM Imidazole Constituents: 25% Glycerol, 50mM Sodium phosphate, 300mM Sodium chloride, 0.25mM DTT, 0.1mM PMSF, pH 7.0
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequence Similarities	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

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