

Recombinant Human ULK4, GST-tagged

Cat. No. ULK4-7028H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ULK4 (1-616) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	1-616 aa
Description	ULK4, or Unc-51-like kinase 4, is a Ser/Thr protein kinase that is a member of the APG1/unc-51/ULK1 subfamily. ULK4 contains five HEAT repeats and a catalytic kinase domain. The ULK4 gene is conserved in many species including chimpanzee, dog, cow, mouse, rat, chicken, zebrafish, A.thaliana, and rice. ULK4 has been implicated as a gene involved in the development of hydrocephalus. This neurologic disorder in animal models is being used to elucidate factors responsible for the excessive accumulation of cerebrospinal fluid in hydrocephalic humans.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~97 kDa
Purity	>75%
Applications	Western Blot

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Storage	Store at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
Concentration	0.1 µg/µl
GENE INFORMATION	
Gene Name	ULK4 unc-51-like kinase 4 (C. elegans) [Homo sapiens]
Official Symbol	ULK4
Synonyms	ULK4; unc-51-like kinase 4 (C. elegans); serine/threonine-protein kinase ULK4; FAM7C1; FLJ20574; REC01035; DKFZp434E1822;
Gene ID	54986
mRNA Refseq	NM_017886
Protein Refseq	NP_060356
UniProt ID	Q96C45
Chromosome Location	3p22.1
Function	ATP binding; binding; nucleotide binding; protein serine/threonine kinase activity;

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