

ULK2 recombinant protein

ULK2, Active

CATALOG # AAA73155	HOST Sf9 insect cells using baculovirus	APPLICATIONS Western Blot
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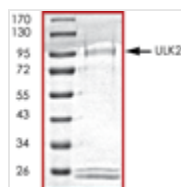
PRODUCT SYNONYMS

ULK2; Active; ULK2 recombinant protein

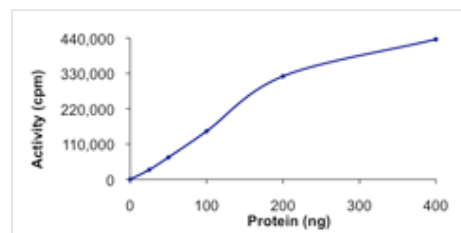
PRODUCT SPECIFICATIONS

Host	Sf9 insect cells using baculovirus
Form/Format	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Sequence Positions	1-478
Sequence Length	9165
Applicable Applications for ULK2 recombinant protein	WB (Western Blot), Kinase Assay
Species	Human
Tag	GST tag
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. 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.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for ULK2 recombinant protein

Description: Recombinant human ULK2 (1-478) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.

Scientific Background: ULK2 is a serine/threonine protein kinase that plays critical role during initial stages of autophagy which is a vital response to nutrient starvation. Mammalian Atg13 binds ULK2 and mediates the interaction of the ULK protein with FIP200. The binding of Atg13 stabilizes and activates ULK and facilitates the phosphorylation of FIP200 by ULK. The ULK-Atg13-FIP200 complex is a direct target of mTOR and important regulator of autophagy in response to mTOR signalling (1). Yeast 2-hybrid assays showed the C-terminus of ULK2 binds the C-terminus of SynGAP, a negative regulator of Ras that is associated with neural development (2).

Product Categories/Family for ULK2 recombinant protein	Enzymes; Active Kinases
References	1. Jung C H, et al: ULK-Atg13-FIP200 complexes mediate mTOR signaling to the autophagy machinery. Mol Biol Cell. 2009 Apr;20 (7):1992-2003. 2. Tomoda T, et al: Role of Unc51.1 and its binding partners in CNS axon outgrowth. Genes Dev. 18: 541-558, 2004.

NCBI AND UNIPROT INFORMATION

NCBI GI #	217330556
NCBI GeneID	9706
NCBI Accession #	NM_014683.3
NCBI GenBank Nucleotide #	NM_014683
UniProt Accession #	Q8IYT8; O75119; A8MY69
Molecular Weight	~98 kDa
NCBI Official Full Name	Homo sapiens unc-51 like autophagy activating kinase 2 (ULK2), transcript variant 1, mRNA
NCBI Official Synonym Full Names	unc-51 like autophagy activating kinase 2
NCBI Official Symbol	ULK2
NCBI Official Synonym Symbols	ATG1B; Unc51.2
NCBI Protein Information	serine/threonine-protein kinase ULK2
UniProt Protein Name	Serine/threonine-protein kinase ULK2
UniProt Gene Name	ULK2
UniProt Synonym Gene Names	KIAA0623

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ulk2-recombinant-protein-sf9-insect-cells-using-baculovirus-wb-western-blot-kinase-assay/73155>