

Recombinant Human ULK1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ULK1-6023H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ULK1 MS Standard C13 and N15-labeled recombinant protein (NP_003556) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	ULK1 (Unc-51 Like Autophagy Activating Kinase 1) is a Protein Coding gene. Diseases associated with ULK1 include Huntington Disease and Acute Laryngopharyngitis. Among its related pathways are Neuroscience and RAB GEFs exchange GTP for GDP on RABs. Gene Ontology (GO) annotations related to this gene include transferase activity, transferring phosphorus-containing groups and protein tyrosine kinase activity. An important paralog of this gene is ULK2.
Molecular Mass	112.4 kDa
AA Sequence	MEPGRGGTETVGKFEFSRKDLIGHGAFVVFKGGRHREKHDLEVAVKCIKKNLAKS QTLLGKEIKELKHEINIVALYDFQEMANSVYLVMEYCNGGDLADYLHAMRTLSEDT IRLFLQQIAGAMRLLHSGKIIHRDLKPQNILLSNPAGRRANPNSIRVKIADFGFARYLQ SNMMAATLCGSPMYMAPEVIMSQHYDGGKADLWSIGTIVYQCLTGKAPFQASSPQDL RLFYEKNKTLVPTIPRETSAPLRQLLLALLQRNHKDRMDFEFFHHPFLDASPSVRK SPPVPVPSYPSSGSGSSSSSSSTSHLASPPSLGEMQQQLQKTLASPADTAGFLHSSR DSGGSKDSSCDTDDFVMVPAQFPGDLVAEAPSAKPPPDSLMCSGSSLVASAGLES

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HGRTPSPSPPCSSSPSPSGRAGPFSSSRCGASVPIPVPTQVQNYQRIERNLQSPTQ
 FQTPRSSAIRRSGSTSP LGFARASPPPAHAEHGGVLARKMSLGGGRPYTPSPQV
 GTIPERPGWSGTPSPQGAEMRGGRSPRPGSSAPEHSPRTSGLGCRLHSAPNLSL
 HVVRPKLPKPPTDPLGAVFSPQASPPQPSHGLQSCRNLRGSPKLPDFLQRNPLPP
 ILGSPTKAVPSFDFPKTPSSQNLLALLARQGVVMTPPRNRTLPLDLSEVGPFHGQPLG
 PGLRPGEDPKGPFGRSFSTSRLTDLKAAFGTQAPDPGSTESLQEKPMIAPSAGF
 GGSLHPGARAGGTSSPSPVVFTVGSPPSGSTPPQGPRTMFSAGPTGSASSARH
 LVPGPCSEAPAPELPAPGHGCSFADPITANLEGAVTFEAPDLPEETLMEQEHTILR
 GLRFTLLFVQHVLIAALKGSASEAAGGPEYQLQESVVADQISLLSREWGF AEQLVL
 YLKVAELLSSGLQSAIDQIRAGKLCLSSTVKQVVRRLNELYKASVVSCQGLSLRLQRF
 FLDKQRLLDRIHSITAERLIFSHAVQMVQSAALDEMFQHREGCVPRYHKALLLLEGLQ
 HMLSQADIENVTKCKLCIERRLSALLTGICATRTRPLEQKLISEEDLAANDILDYKDD
 DDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name ULK1 unc-51 like autophagy activating kinase 1 [Homo sapiens (human)]

Official Symbol ULK1

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Synonyms	ULK1; unc-51-like kinase 1; unc 51 (C. elegans) like kinase 1; serine/threonine-protein kinase ULK1; ATG1; ATG1 autophagy related 1 homolog (S. cerevisiae); ATG1A; ATG1 autophagy related 1 homolog; autophagy-related protein 1 homolog; UNC51; hATG1; Unc51.1; FLJ38455; FLJ46475;
Gene ID	8408
mRNA Refseq	NM_003565
Protein Refseq	NP_003556
MIM	603168
UniProt ID	O75385
SDS-PAGE	