

Recombinant Human ULK4 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. ULK4-318H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ULK4 MS Standard C13 and N15-labeled recombinant protein (NP_060356) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the unc-51-like serine/threonine kinase (STK) family. Members of this protein family play a role in neuronal growth and endocytosis. The encoded protein is likely involved in neurite branching, neurite elongation and neuronal migration. Genome-wide association studies (GWAS) indicate an association of variations in this gene with blood pressure and hypertension. Sequence variations in this gene may also be associated with psychiatric disorders, including schizophrenia and bipolar disorder. Pseudogenes associated with this gene have been identified and are located on chromosome 15. [provided by RefSeq, Jul 2016]
Molecular Mass	142.3 kDa
AA Sequence	MENFILYEEIGRGSKTVVYKGRRKGTINFVAILCTDKCKRPEITNWWRLTREIKHKNIV TFHEWYETSNHLWLVELCTGGSLKTVIAQDENLPEDVVREFGIDLISGLHHLHKLGI LFCDISPRKILLEPGTLKFSNFCLAKVEGENLEEFFALVAAEEGGGDNGENVLKKS MKSRVKGSPVYTAPEVVRGADFSISSDLWSLGCLLYEMFSGKPPFFSESISELTEKIL

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CEDPLPPIPKDSSRPKASSDFINLLDGLLQRDPQKRLTWTRLLQHSEFWKKAFAGADQ
 ESSVEDLSLSRNTMECSGPQDSKELLQNSQSRQAKGHKSGQPLGHSFRLENPTF
 RPKSTLEGQLNESMFLSSRPTPTSTAVEVSPGEDMTHCSPQKTSPLTKITSGHLS
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 WNDLQVCSQIDSTEKSMGASRAKLNLLCYLCVVAGHQEVATRLLHSPLFQLLIQH
 LRIAPNWDIRAKVAHVIGLLASHTAELQENTPVVEAIVLLTELIRENFRNSKLKQCLLPT
 LGELIYLVATQEEKKNPRECWAVPLAAYTVLMRCLREGEERVVNHMAAKIIENVCT
 TFSAQSGFITGEIGPILWYLFRHSTADSLRITAVSALCRITRHSPTAFQNVIEKVGLN
 SVINSLASAICKVQQYMLTLFAAMLSCGIHLQRLIQEKGFVSTIIRLLDSPSTCIRAKAF
 LVLLYILIYNREMLLLSCQARLVMIERDSRKTTPGKEQQSGNEYLSKCLDLLICHIVQ
 ELPRILGDILNSLANVSGRKHPSTVQVKQLKCLPLMPVVLHLVTSQVFRPQVVTEEF
 LFSYGTILSHIKSVDSGETNIDGAIGLTASEEFIKITLSAFEAIQYPILLKDYRSTVVDYIL
 PPLVSLVQSQNVWRFLSLRLLSETTSLLVNQEFQDGKEKASVSDSNLLALIRDVLL
 PQYEHILLEPDPVPAYALKLLVAMTEHNPTFTRLVEESKLIPLIFEVTLHQESILGNTM
 QSVIALLSNLVACKDSNMELLYEQGLVSHICNLLTETATLCLDVDNKNNNEMAAPLLF
 SLLDILHSMLTYTSGIVRLALQAQKSGSGEDPQAAEDLLLLNRPLTDLISLLIPLLPND
 PEIFDVSSKCLSILVQLYGGENPDSLSPENVEIFAHLLTSKEDPKEQKLLLRILRRMITS
 NEKHLESLKNAGSLLRALERLAPGSGSFADSAVAPLALEILQAVGHTRTRPLEQKLIS
 EEDLAANDILDYKDDDDKV

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.

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GENE INFORMATION

Gene Name ULK4 unc-51-like kinase 4 (C. elegans) [Homo sapiens (human)]

Official Symbol [ULK4](#)

Synonyms ULK4; unc-51-like kinase 4 (C. elegans); serine/threonine-protein kinase ULK4; FAM7C1; FLJ20574; REC01035; DKFZp434E1822;

Gene ID [54986](#)

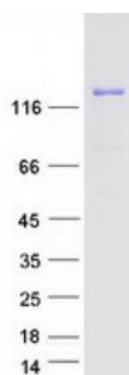
mRNA Refseq [NM_017886](#)

Protein Refseq [NP_060356](#)

MIM [617010](#)

UniProt ID [Q96C45](#)

SDS-PAGE



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