

Recombinant Human UHMK1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. UHMK1-5049H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	UHMK1 MS Standard C13 and N15-labeled recombinant protein (NP_787062) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The gene encodes a serine/threonine protein kinase that promotes cell cycle progression through G1 by phosphorylation of the cyclin-dependent kinase inhibitor 1B (p27Kip1), which causes nuclear export and degradation. The encoded protein is also thought to function in the adult nervous system and the gene has been associated with schizophrenia. Alternative splicing results in multiple transcript variants.
Molecular Mass	46.4 kDa
AA Sequence	MAGSGCAWGAEPPRFLEAFGRLWQVQSRLGSGSSASVYRVRC CGNPGSPPGALK QFLPPGTTGAAASAAEYGFRKERAALQLQGHRNIVTLYGVFTIHFSNPVPSRCLLL ELLDVSVSELLLYSSHQGCSMWMIQHCARDVLEALAFHHEGYVHADLKPRNILWS AENECFKLIDFGLSFKEGNQDVKYIQTDGYRAPEAELQNCLAQAGLQSDTECTSAVD LWSLGIILLEMFGSMKLKHTVRSQEWKANSSAIDHIFASKAVVNAAIPAYHLRDLIKS MLHDDPSRRIPAEMALCSPFFSIPFAPHIEDLVMLPTPVLRLNLNVLDDDDYLENEEEYE DVVEDVKEECQKYGPVVSLLVPKENPGRGQVFVEYANAGDSKAAQKLLTGRMFDG

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KFVVATFYPLSAYKRGYLYQTLLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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	UHMK1 U2AF homology motif kinase 1 [Homo sapiens (human)]
Official Symbol	UHMK1
Synonyms	UHMK1; U2AF homology motif (UHM) kinase 1; serine/threonine-protein kinase Kist; KIS; Kist; KIS protein kinase; kinase interacting with leukemia-associated gene (stathmin); KIST; FLJ23015; DKFZp434C1613;
Gene ID	127933
mRNA Refseq	NM_175866
Protein Refseq	NP_787062
MIM	608849

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UniProt ID

Q8TAS1

SDS-PAGE



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