

Recombinant Human UHMK1 , GST-tagged

Cat. No. UHMK1-7027H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human UHMK1 (KIS) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	Full length
Description	UHMK1(KIS) or U2AF homology motif (UHM) kinase 1 is a serine/threonine protein kinase that promotes cell cycle progression through G1 phase. UHMK1 phosphorylates the cyclin-dependent kinase inhibitor 1B (p27Kip1) and this results in its export to the nucleus where it undergoes degradation. UHMK1 is a growth factor-dependent nuclear kinase which can regulate cell cycle progression. Elevated levels of UHMK1 protein in leukemia cells has been shown to promote cell cycle progression. UHMK1 has also been shown to function in the adult nervous system where it is highly expressed and the gene has been associated with schizophrenia.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~65 kDa
Purity	>70%

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Applications	Western Blot
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	0.05 µg/µl
GENE INFORMATION	
Gene Name	UHMK1 U2AF homology motif (UHM) kinase 1 [Homo sapiens]
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_001184763
Protein Refseq	NP_001171692
MIM	608849
UniProt ID	Q8TAS1
Chromosome Location	1q23.1
Function	ATP binding; RNA binding; nucleotide binding; protein binding; protein

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serine/threonine kinase activity; ribonucleoprotein complex binding; transferase activity;

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