

Product datasheet for PH314962

KIST (UHKM1) (NM_175866) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	UHKM1 MS Standard C13 and N15-labeled recombinant protein (NP_787062)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214962
Predicted MW:	46.4 kDa
Protein Sequence:	>RC214962 representing NM_175866 Red=Cloning site Green=Tags(s)
	MAGSGCAWGAEPFRFLEAFGRLLWQVQSRLGSGSSASVYRVRCCGNPGSPPGALKQFLPPGTTGAAASAAE YGFRKERAALQLQGHRNIVTL YGVFTIHFSPNVPSRCLLLELLDVSVSELLLYSSHQGCMMWMIQHRCAR DYLEALAFHHEGYVHADLKPRNILWSAENECFKLIDFGLSFKEGNQDVKYIQTGDYRAPEAELQNCLAQ AGLQSDTECTSAVDLWSLGIILLEMFSGMKLGKHTVRSQEWKANSASAIIDHIFASKAVVNAAIIPAYHLRDL IKSMLHDDPSRRIPAEMALCSPFFSIPFAPHIEDLVMLPTVLRLLNVLDDDDYLENEEEYEDVVEDVKEE CQKYGPVVSLLVKPNPGRGQVFVEYANAGDSKAAQKLLTGRMFDGKFFVATFYPLSAYKRGYLYQTLL
	TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_787062
RefSeq Size:	2901
RefSeq ORF:	1257
Synonyms:	KIS; KIST; P-CIP2
Locus ID:	127933



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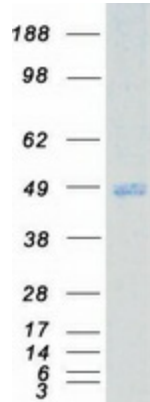
UniProt ID: [Q8TAS1](#)

Cytogenetics: 1q23.3

Summary: 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. [provided by RefSeq, May 2010]

Protein Families: Druggable Genome, Protein Kinase

Product images:



Coomassie blue staining of purified UHMK1 protein (Cat# [TP314962]). The protein was produced from HEK293T cells transfected with UHMK1 cDNA clone (Cat# [RC214962]) using MegaTran 2.0 (Cat# [TT210002]).