

## Product datasheet for **TP314962**

### **KIST (UHK1) (NM\_175866) Human Recombinant Protein**

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human U2AF homology motif (UHM) kinase 1 (UHK1), 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC214962 representing NM\_175866

**Red**=Cloning site **Green**=Tags(s)

MAGSGCAWGAEPFRFLEAFGRWLWQVQSRLGSGSSASVYRVRCCGNPGSPGALKQFLPPGTTGAAASAAE  
YGFRKERAALQLQGHRNIVTLYGVFTIHFSPNVPSRCLLLELLDVSSELLLYSSHQGCMSWMIQHCR  
DVLEALAFLLHHEGYVHADLKPRNILWSAENECFLIDFGLSFKEGNQDVKIYQTDGYRAPEAELQNCLAQ  
AGLQSDTECTSAVDLWLSGILLEMFGMMLKHTVRSQEWKANSIAIDHIFASKAVVNAIPAYHLRDL  
IKSMLHDDPSRRIPAEMALCSPFFSIPFAPHIEDLVMLPTPVLRLNVLDDDDYLENEEYEDVVEDVKEE  
CQKYGPVVSLLVPKENPGRGQVFVEYANAGDSKAAQKLLTGRMFDGKFWATFYPLSAYKRGYLYQTLL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 46.4 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

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

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_787062](#)

**Locus ID:** 127933



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UniProt ID: [Q8TAS1](#)

RefSeq Size: 2901

Cytogenetics: 1q23.3

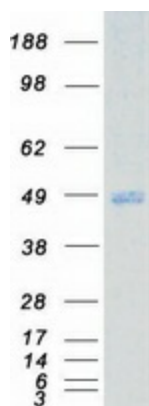
RefSeq ORF: 1257

Synonyms: KIS; KIST; P-CIP2

**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 UHK1 protein (Cat# TP314962). The protein was produced from HEK293T cells transfected with UHK1 cDNA clone (Cat# [RC214962]) using MegaTran 2.0 (Cat# [TT210002]).