

Product datasheet for **SC101352**

KIST (UHK1) (NM_175866) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: KIST (UHK1) (NM_175866) Human Untagged Clone
Tag: Tag Free
Symbol: KIST
Synonyms: KIS; KIST; P-CIP2
Mammalian Cell Selection: None
Vector: pCMV6-XL4
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_175866 edited
 ATGGCGGGATCCGGCTGCGCCTGGGGCGCGGAGCCGCCGCTTTTCTGGAGGCCCTTCGGG
 CGGCTGTGGCAGGTACAGAGCCGTCTGGGTAGCGGCTCCTCCGCCCTCGGTGTATCGGGT
 CGCTGCTGCGGCAACCCTGGCTCGCCCCCGGCGCCCTCAAGCAGTTCTTGCCGCCAGGA
 ACCACCGGGGCTGCGGCCTCTGCCGCCAGTATGGTTTCCGCAAAGAGAGGGCGGCGCTG
 GAACAGTTGCAGGGTACAGAAACATCGTGACTTTGTATGGAGTGTTTACAATCCACTTT
 TCTCCAAATGTGCCATCACGCTGTCTGTGCTTGAACCTCGGATGTCAGTGTTCGGAA
 TTGCTCTATATCCAGTCACCAGGGTTGTTCCATGTGGATGATACAGCATTGTGCCCGA
 GATGTTTTGGAGGCCCTTGCTTTTCTTCATCATGAGGGCTATGCCATGCGGACCTCAA
 CCACGTAACATATTGTGGAGTGCAGAGAATGAATGTTTTAACTCATTGACTTTGGACTT
 AGTTCAAAGAAGCAATCAGGATGTAAAGTATATTCAGACAGACGGGTATCGGGCTCCA
 GAAGCAGAATTGCAAAATGCTTGGCCAGGCTGGCCTGCAGAGTGATACAGAATGTACC
 TCAGCTGTTGATCTGTGGAGCCTAGGAATCATTTTACTGGAAATGTTCTCAGGAATGAAA
 CTGAAACATACAGTCAGATCTCAGGAATGGAAGGCAAACAGTTCTGCTATTATTGATCAC
 ATATTTGCCAGTAAAGCAGTGGTGAATGCCGCAATCCAGCCTATCACCTAAGAGACCTT
 ATCAAAGCATGCTTCATGATGATCCAAGCAGAAGAATCCTGCTGAAATGGCATTGTGC
 AGCCATTCTTTAGCATTCTTTTGGCCCTCATATTGAAGATCTGGTCATGCTTCCCCT
 CCAGTGCTAAGACTGCTGAATGTGCTGGATGATGATTATCTTGAGAATGAAGAGGAAT
 GAAGATGTTGTAGAAGATGTAAAAGAGGAGTGTCAAAAATATGGACCAGTGGTATCTCTA
 CTGTTTCAAAGGAAAATCCTGGCAGAGGACAAGTCTTTGTTGAGTATGCAAATGCTGGT
 GATTCAAAGCTGCGCAGAAATTAAGTACTGACTGGAAGGATGTTTGTATGGGAAGTTTGTGTG
 GCTACATTCTACCGCTGAGTGCCTACAAGAGGGGATATCTGTATCAAACCTTGCTTTAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_175866 unedited CGTCANAATTTGTATACGACTCATATAGGGCGGCCGCAATTCGCACCAGGCTGCTTGAA GTCCCCGGGAGTCGGTGAGGCGGCTGCAGGTCCTCCCTGCGGAGCCGCTGGTCCGGCTGG CGGAGATGTGACCGCGGGCCCGGCCCTGCCTCAGGCGTCGCGTCAGTCCCCTGTCC GTGCCCTTAACCCACACCGATGGCGGGATCCGGCTGCGCTGGGGCGGGAGCCGCCGCG TTTTCTGGAGGCCTTCGGGCGGCTGTGGCAGGTACAGAGCCGCTGGGTAGCGGCTCCTC CGCCTCGGTGTATCGGGTTCGCTGCTGCGGCAACCCTGGCTCGCCCCCGGCCCTCAA GCAGTTCTTGCCGCCAGGAACCCCGGGCTGCGGCTCTGCCGCCGAGTATGGTTCCG CAAAGAGAGGGCGGCGCTGGAACAGTTGCAGGGTCACAGAAACATCGTGACTTTGTATGG AGTGTTTACAATCCACTTTTCTCCAAATGTGCCATCACGCTGTCTGTTGCTTGAACTCCT GGATGTCAGTGTTCGGAATTGCTCTTATATTCCAGTCACCAGGGTTGTTCCATGTGGAT GATACAGCATTGTCCCGAGATGTTTTGGAGGCCCTTGCTTTTCTTCATCATGAGGGCTA TGCCATGNCGACCTCANACCACGTAACATATTGTGGAGTGCAGAGAATGAATGTTTTAA CTCATTGACTTTGACTTAGCTTCAAGAAGGCAATCANGATGTAAGTATATTACAGACAG ACGGGNTATCGGGCTCCAGAAGCAGAATTGCAAAATTTGCTGGCCCCAAGNCTGGCTGC ANAGTGATACAGAATGTACTCTACCTGTTGATCTGTTGAGCCTAAGAATCATTTTACTGG NAATGTTCTCAGAATGAACTGAAACTN
Restriction Sites:	NotI-NotI
ACCN:	NM_175866
Insert Size:	4700 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_175866.2 , NP_787062.1
RefSeq Size:	2901 bp
RefSeq ORF:	1260 bp
Locus ID:	127933
UniProt ID:	Q8TAS1
Cytogenetics:	1q23.3
Protein Families:	Druggable Genome, Protein Kinase

Gene 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]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.