OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC328553

KIST (UHMK1) (NM_144624) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIST (UHMK1) (NM_144624) Human Untagged Clone
Tag:	Tag Free
Symbol:	UHMK1
Synonyms:	KIS; KIST; P-CIP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC328553 representing NM_144624. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGGCGGGATCCGGCTGCGCCTGGGGCGCGGAGCCGCCGCGTTTTCTGGAGGCCTTCGGGCGGCTGTGG CAGGTACAGAGCCGTCTGGGTAGCGGCTCCTCCGCCTCGGTGTATCGGGTTCGCTGCTGCGGCAACCCT GGCTCGCCCCCCGGCGCCCTCAAGCAGTTCTTGCCGCCAGGAACCACCGGGGCTGCGGCCTCTGCCGCC GAGTATGGTTTCCGCAAAGAGAGGGCGGCGCTGGAACAGTTGCAGGGTCACAGAAACATCGTGACTTTG TATGGAGTGTTTACAATCCACTTTTCTCCAAATGTGCCATCACGCTGTCTGTTGCTTGAACTCCTGGAT GTCAGTGTTTCGGAATTGCTCTTATATTCCAGTCACCAGGGTTGTTCCATGTGGATGATACAGCATTGT GCCCGAGATGTTTTGGAGGCCCTTGCTTTTCTTCATCATGAGGGCTATGTCCATGCGGACCTCAAACCA CGTAACATATTGTGGAGTGCAGAGAATGAATGTTTTAAACTCATTGACTTTGGACTTAGCTTCAAAGAA GGCAATCAGGATGTAAAGTATATTCAGACAGACGGGTATCGGGCTCCAGAAGCAGAATTGCAAAATTGC TTGGCCCAGGCTGGCCTGCAGAGTGATACAGAATGTACCTCAGCTGTTGATCTGTGGAGCCTAGGAATC ATTTTACTGGAAATGTTCTCAGGAATGAAACTGAAACATACAGTCAGATCTCAGGAATGGAAGGCAAAC AGTTCTGCTATTATTGATCACATATTTGCCAGTAAAGCAGTGGTGAATGCCGCAATTCCAGCCTATCAC CTAAGAGACCTTATCAAAAGCATGCTTCATGATGATCCAAGCAGAAGAATTCCTGCTGAAATGGCATTG TGCAGCCCATTCTTTAGCATTCCTTTTGCCCCTCATATTGAAGATCTGGTCATGCTTCCCACTCCAGTG CTAAGACTGCTGAATGTGCTGGATGATGATTATCTTGAGAATGAAGAGGAATATGAAGGTCTTTGTTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI

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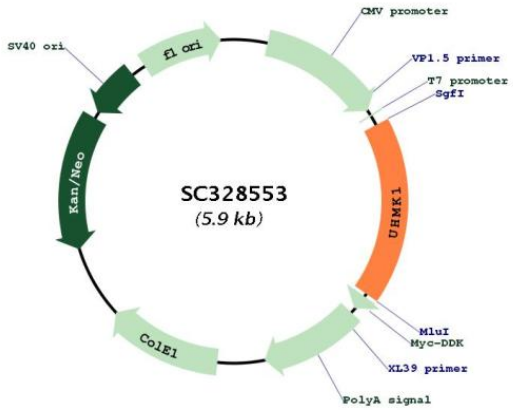
Plasmid Map:



ACCN:	NM_144624
Insert Size:	1035 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	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_144624.2
RefSeq Size:	8446 bp
RefSeq ORF:	1035 bp
Locus ID:	127933

UniProt ID:	Q8TAS1
Cytogenetics:	1q23.3
Domains:	pkinase, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase
MW:	38.1 kDa
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 (3) lacks an exon in the coding region, which results in a frameshift and an early stop codon, compared to variant 1. The encoded protein (isoform 3) is shorter and has a distinct C-terminus, compared to 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.