

Product datasheet for **SC112658**

KIN (NM_012311) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIN (NM_012311) Human Untagged Clone
Tag:	Tag Free
Symbol:	KIN
Synonyms:	BTCD; KIN17; Rts2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_012311, the custom clone sequence may differ by one or more nucleotides

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ATGGGGAAGTCGGATTTTCTTACTCCCAAGGCTATCGCCAACAGGATCAAGTCCAAGGGGCTGCAGAAGC
TACGCTGGTATTGCCAGATGTGCCAGAAGCAGTGCCGGGACGAGAATGGCTTTAAGTGTCATTGTATGTC
CGAATCTCATCAGAGACAATAATTGCTGGCTTCAGAAAAATCCTCAGCAGTTTATGGATTATTTTTCAGAG
GAATTCGAAATGACTTTCTAGAACTTCTCAGGAGACGCTTTGGCACTAAAAGGGTCCACAACAACATTG
TCTACAACGAATACATCAGCCACCGAGAGCACATCCACATGAATGCCACTCAGTGGGAACTCTGACTGA
TTTTACTAAGTGGCTGGCAGAGAAGGCTTGTCAAAAGTGGACGAGACACCAAAAGGCTGGTATATTCAG
TACATAGACAGGGACCCAGAACTATCCGCCGGCAACTGGAAGTGGAGAAAAAGAAAAGCAGGACCTTG
ATGATGAAGAAAAACTGCCAAATTTATTGAAGAGCAAGTGAGAAGAGGCCTGGAAGGGAAGGAACAGGA
GGTCCCTACTTTTACGGAATTAAGCAGAGAAAAATGATGAAGAGAAAGTCACGTTTAAATTTGAGTAAAGGA
GCATGTAGCTCATCCGGAGCAACATCTTCCAAGTCAAGTACTCTGGGACCGAGTGCAGTGAAGACGATAG
GAAGTTCAGCATCAGTGAACGAAAAGAATCTTCCAGAGCTCAACTCAGTCTAAAGAAAAGAAAGAAAA
GAAATCTGCAGTGGATGAAATCATGGAGATTGAAGAGGAAAAGAAAAGAACTGCCCGAACAGACTACTGG
CTACAGCCTGAAATTTGTGAAAATTATAACCAAGAACTGGGAGAGAAATATCATAAGAAAAGGCTA
TTGTTAAGGAAGTAATTGACAAAATACAGCTGTTGTGAAGATGATTGATTCTGGAGACAAGCTGAAACT
TGACCAGACTCATTTAGAGACAGTAATTCCAGCACCCAGGAAAAGAAATTCTAGTTTTAAATGGAGGCTAC
AGAGGAAATGAAGTACCCTAGAATCCATCAATGAGAAGACTTTTTTCAGCTACTATCGTCAATGAAACTG
GCCCTTTAAAAGGACGCAGAGTTGAAGGAATTCATATGAAGACATTTCTAAACTTGCCTGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_012311 unedited CTCACTATAGGGCGGCCGCGNAATTCGCACGAGGCTGAGTACTGGGGTCCAGAAGTGATC GCTGCCGTGGTCGCCATGGGGAAGTCGGATTTTCTTACTCCCAAGGCTATCGCCAACAGG ATCAAGTCCAAGGGGCTGCAGAAGCTACGCTGGTATTGCCAGATGTGCCAGAAGCAGTGC CGGGACGAGGGGAATTCGAAATGACTTTCTAGAACTTCTCAGGAGACGCTTTGGCACTAA AAGGGTCCACAACAACATTGTCTACAACGAATACATCAGCCACCGAGAGCACATCCACAT GAATGCCACTCAGTGGGAACTCTGACTGATTTTACTAAGTGGCTGGGCAGAGAAGGCTT GTGCAAAGTGGACGAGACACAAAAGGCTGGTATATTCAGTACATAGACAGGGACCCAGA AACTATCCGCCGCAACTGGAAGTGGAGAAAAAGAAAAGCAGGACCTTGATGATGAAGA AAAAACTGCCAAATTTATTGAAGAGCAAGTGAGAAGAGGCCTGGAAGGGAAGGAACAGGA GGTCCCTACTTTTACGGAATTAAGCAGAGAAAATGATGAAGAGAAAGTCACGTTTAAATTT GAGTAAAGGAGCATGTAGCTCATCCGGAGCAACATCTTCCAAGTCAAGTACTCTGGGACC GAGTGCCTGAAGACGATAGGAAGTTCAGCATCAGTGAACGAAAAGATCTTCCAGAGCT CACTCAGTCTAAGAANAGAAGAAAAGAATCTGCCTGGATGAATCATGGAGATGAGAGGGA AGAAGACTGCCCGACAGACTATGCTACGCCTGAAATATTGTGAAT
Restriction Sites:	NotI-NotI
ACCN:	NM_012311
Insert Size:	5700 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_012311.2 , NP_036443.1
RefSeq Size:	1906 bp
RefSeq ORF:	1182 bp
Locus ID:	22944
UniProt ID:	O60870
Cytogenetics:	10p14
Domains:	KOW

Gene Summary:

The protein encoded by this gene is a nuclear protein that forms intranuclear foci during proliferation and is redistributed in the nucleoplasm during the cell cycle. Short-wave ultraviolet light provokes the relocalization of the protein, suggesting its participation in the cellular response to DNA damage. Originally selected based on protein-binding with RecA antibodies, the mouse protein presents a limited similarity with a functional domain of the bacterial RecA protein, a characteristic shared by this human ortholog. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jan 2012]

Transcript Variant: This variant (1) represents the longer transcript and encodes the supported protein. 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.