

Product datasheet for **SC212489**

Ku80 (XRCC5) (NM_021141) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Ku80 (XRCC5) (NM_021141) Human 3' UTR Clone
Symbol:	Ku80
Synonyms:	KARP-1; KARP1; KU80; Ku86; KUB2; NFIV
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_021141
Insert Size:	1121 bp
Insert Sequence:	>SC212489 3'UTR clone of NM_021141 The sequence shown below is from the reference sequence of NM_021141. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GATGTGGACGATTTATTGGACATGATATAGGTCGTGGATGTATGGGAATCTAAGAGAGCTGCCATCGC
TGTGATGCTGGGAGTTCTAACAAAACAAGTTGGATGCGGCCATTCAAGGGGAGCCAAAATCTCAAGAAA
TTCCAGCAGGTTACCTGGAGGCGGATCATCTAATTCTCTGTGGAATGAATACACACATATATATTACA
AGGGATAATTTAGACCCCATACAAGTTTATAAAGAGTCATTGTTATTTTCTGGTTGGTGTATTATTTT
TCTGTGGTCTTACTGATCTTTGTATATTACATACATGCTTTGAAGTTTCTGGAAAGTAGATCTTTTCTT
GACCTAGTATATCAGTGACAGTTGCAGCCCTTGTGATGTGATTAGTGTCTCATGTGGAACCATGGCATG
GTTATTGATGAGTTTCTTAACCCCTTCCAGAGTCTCCTTTGCCTGATCCTCCAACAGCTGTCACAACT
TGTGTTGAGCAAGCAGTAGCATTGCTTCTCCCAACAAGCAGCTGGGTTAGGAAAACCATGGGTAAGG
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TTTTCTTAAAGTGGGTGGGAAGGGGAGCACAATTTCCCTTCATACTCCTTTTAAAGCAGTGAGTTATGG
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AAACTGAGAAATTTACTACAGTAGTTAGAATTATACACTTCACTGTTCTCTACTTGAAGCCCTCAAAG
AGAGAAAAGTTTCGTTATATTAACACACTTAGGTAACCTTTTCGGTCTTTCCATTTCTACCTAAGTCAGC
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TTGTCCTCATTCTGCCTTGAGTTCAGTTCCTCTTTGGTGTACAGACTTCTTGGTACCCAGTCACCTC
TGTCTTCAGCACCTCATAAGTCGTCACATAACACAGTTTTGTACATGTAACATTAAGGCATAAATG
ACTCATCTCTCTGTGAA
ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG

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Restriction Sites:	Sgfl-Mlul
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_021141.4
Summary:	The protein encoded by this gene is the 80-kilodalton subunit of the Ku heterodimer protein which is also known as ATP-dependant DNA helicase II or DNA repair protein XRCC5. Ku is the DNA-binding component of the DNA-dependent protein kinase, and it functions together with the DNA ligase IV-XRCC4 complex in the repair of DNA double-strand break by non-homologous end joining and the completion of V(D)J recombination events. This gene functionally complements Chinese hamster xrs-6, a mutant defective in DNA double-strand break repair and in ability to undergo V(D)J recombination. A rare microsatellite polymorphism in this gene is associated with cancer in patients of varying radiosensitivity. [provided by RefSeq, Jul 2008]
Locus ID:	7520
MW:	42.9