

Product datasheet for **SC123084**

XRCC6BP1 (ATP23) (NM_033276) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	XRCC6BP1 (ATP23) (NM_033276) Human Untagged Clone
Tag:	Tag Free
Symbol:	XRCC6BP1
Synonyms:	KUB3; XRCC6BP1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_033276 edited

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GGCAGGAGGCCTGAGCCAGGAGGAAGCAGCGGCGAGGTCTGCGGGAGGCATGGCGGGAGC
TCCGGACGAGCGCCGGCGGGGCCCGCGGCAGGGGAGCAGCTGCAGCAGCAACACGTCTC
TTGCCAGGTCTTCCCGAGCGTCTGGCCAGGGGAATCCCAGCAAGGGTTCTTCTCCAG
CTTCTTACCAGCAACCAGAAGTGCCAGCTTAGGCTCCTGAAGACGCTGGAGACAAATCC
ATATGTCAAACCTCTGCTTGATGCTATGAAACACTCAGGTTGTGCTGTTAAACAAGATAG
ACACTTTTCTTGCGAAGACTGTAATGGAAATGTCAGTGGAGGTTTTGATGCTTCAACATC
TCAGATAGTTTTGTGCCAGAATAATATCCATAATCAGGCCCATATGAACAGAGTGGTCAC
ACACGAGCTTATTCATGCATTTGATCATTGTGCTGCCCATGTCGACTGGTTCACCAACAT
CAGACATTTGGCGTGCTCAGAGGTTGAGCTGCTAACCTTAGTGGAGACTGCTCACTTGT
CAATGAAATATTCAGGTTACATTTTGGATTAACAACACCACCAGACTTGTGTGCGAGA
CAGAGCCACTCTTCTATCCTGGCTGTTAGGAATATCAGCAAAGAAGTAGCTAAAAAGGC
TGTTGATGAAGTTTTGAATCTTGTTTCAATGACCATGAACCTTTTGGAAGGATCCACAC
TAACAAGACTTATGCAAGATATGCTCACAGAGACTTTGAAAACCGTGATCGGTATTATTC
AAATATATGAGCACAATGACATTTTATATTACAGAGCTTCCATCATGAAGAAAAA
AAATTTGGTTCTCAAGTGAACAAACATATAAATGTAAACAATCCCTACAATCCAGATAA
AACAGAGAAGACTGTGATTCTAGCATATTATCAGAAAAAGTAACATATGGCAAAAAATGAA
ACTGCTTTAACTCCAAGGCAGAAATTGTATCTTTATAGCTAACCATTTAGTAAATAAAT
ACATTACATTTTGTATTTTAGTCATTTGTTTTATTACATGTGATTATTTTAAATTTG
ATTATGAACCTGTGAAGTGTGCTCTTCCATGATGTTGATAGGTGACCACTGTTGGTATT
TACATTAATGTAAAGAAATGTGTACTGAAAAAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_033276 unedited NNGGAAGCGGTCAAAATTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGCC TGAGCCAGGAGGAAGCAGCGGCGAGGTCTGCGGGAGGCATGGCGGGAGCTCCGGACGAGC GCCGGCGGGGCCCGCGGCAGGGGAGCAGCTGCAGCAGCAACACGTCTCTTGCCAGGTCT TCCCCGAGCGTCTGGCCAGGGGAATCCCCAGCAAGGGTTCTTCTCCAGCTTCTTCACCA GCAACCAGAAGTGCCAGCTTAGGCTCCTGAAGACGCTGGAGACAAATCCATATGTCAAAC TTCTGCTTGATGCTATGAAACACTCAGGTTGTGCTGTTAACAAAGATAGACACTTTTCTT GCGAAGACTGTAATGGAAATGTCAGTGGAGGTTTTGATGCTTCAACATCTCAGATAGTTT TGTGCCAGAATAATATCCATAATCAGGCCCATATGAACAGAGTGGTCACACACGAGCTTA TTCATGCATTTGATCATTGTCTGCGCCATGTGCGACTGGTTCACCAACATCAGACATTTGG CGTGCTCAGAGGTTGAGCTGCTAACCTTAGTGGAGACTGCTCACTTGTCAATGAAATAT TCAGGTTACATTTTGGATTAAACAACACCACCAGACTTGTGTGCGAGACAGAGCCACTC TTTCTATCCTGGCTGTTAGGAATATCAGCAAAGAAGTAGCTAANAAGGCTGTTGATGAAG TTTTTGAATCTTGTTCAATGACCATGAACCTTTTGAAGGATCCACATAACAAGACTT ATGCAAGATATGCTCACAGAGACTTTGAAAACCGTGATCGGTATTATTCAAATATATGAG CCACATGACATTTTATATTACAGAGCTTCCATCATCATGGAGAAAAAAATTTGGT
Restriction Sites:	Please inquire
ACCN:	NM_033276
Insert Size:	1191 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:	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_033276.2 , NP_150592.1
RefSeq Size:	1182 bp
RefSeq ORF:	741 bp
Locus ID:	91419
UniProt ID:	Q9Y6H3
Cytogenetics:	12q14.1

Gene Summary:

The protein encoded by this gene is amplified in glioblastomas and interacts with the DNA binding subunit of DNA-dependent protein kinase. This kinase is involved in double-strand break repair (DSB), and higher expression of the encoded protein increases the efficiency of DSB. In addition, comparison to orthologous proteins strongly suggests that this protein is a metalloprotease important in the biosynthesis of mitochondrial ATPase. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2016]

Transcript Variant: This variant (1) encodes the longest isoform (a).