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# Product datasheet for SC205387

## XRCC6BP1 (ATP23) (NM_033276) Human 3' UTR Clone

### Product data:

| | |
|---|---|
| **Product Type:** | 3' UTR Clones |
| **Symbol:** | XRCC6BP1 |
| **Synonyms:** | KUB3; XRCC6BP1 |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pMirTarget (PS100062) |
| **ACCN:** | NM_033276 |
| **Insert Size:** | 2000 bp |



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**Insert Sequence:**

>SC205387 3'UTR clone of NM_033276
The sequence shown below is from the reference sequence of NM_033276. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AACCGTGATCGGTATTATTCAAATATATGAGCACAATGACATTTTTATATTACAGAGCTTCCATCATCA
TGAAGAAAAAAAAATTTGGTTCTCAAGTGAACAAACATATAAAATGTAAACAATCCCTACAATCCAGAT
AAAACAGAGAAGACTGTGATTCTAGCATATTATCAGAAAAAGTAACTATGGCAAAAAATGAAACTGCTT
TAAACTCCAAGGCAGAAATTGTATCTTTATAGCTAACCATTTAGTAAATAAATACATTACATTTTTGTA
TTTTAGTCATTTGTTTTTATTACATGTGATTATTTTAAAATTTGATTATGAAACCTGTGAAGTGTGCTC
TTCCATGATGTTGATAGGTGACCACTGTTGGTATTTACATTAAATGTAAAGAAATGTGTACTGATCTCA
TTGTAGGATACTTATTGAGCTGTTGTTATGATGAAAATTGGAAATAATTCATTCAGTGGTCAATGCTAT
CCTCTCCCTATTCTTCTTTTATCATATATGTGGGACCCATATGGCCTAATTTTCTGGGGACAGTCCTGG
TTAGATCTTTTTCTTTTTAATAAAGGCAGTGCTCGAATTTTAGCTCCAGATCGACTGCAAGAACAAACC
AGCAATACTGAGAGGACCCACAGACCCTCTGAAGGAAGCGACTGCTCCTACAGTGCCCAGGAGACACCC
CAAATACTGTGAGTGCCCAACTGCAGAAGTGGGAAAGGGAGACCCTCCTCTCCCACACACACCCCCCCA
CTGGAGAAACTGAAGGTCTGTTTGTGGGAGAAGTTTCCGACCTTACCTGGAGCTGAGTTAATTTAGAGA
GCCGAGCGAAATACAGGGGTAGAGCAAGCAGCAGGAAGGCCCAGGGAGCTCGCTGGGTCCCCAAGCAGC
CCATTCCTGCCTGTCACCACAGAGATCCATTGCAAGGGCAGCCAGAAGAGCAGCGGGTAAAACTCCACA
GGGAGAAGGACATCTCTAGCTGAACTTTGTAACTATTTCAATGGGGCAAGAAGCCTCCCGGCCAGAACT
TGGGAGAGGGCACAAATCCCATGTGCAGAATCCACAGAGGGGAAGAACCAAGCTCTTTTCTTTCACAGC
TGGGAGGTGGGTAGCCTGGGGCAAGTTTTCAAGCCTGTCTCACCCACCACCTGGAAGCAGACTTGGGGC
TGTGGTGGGGGGCATGGTGGGAGTGAGACTGGCCCTTCGGCTTGTGTGGGAGCTGGGTGAGGCCTGTGA
CTGCCGGCTTTCCCCTACTTCCCTGACAACCTGCATGACTCCCCAGAGGCAGTCATAATCCTCCTAGGG
ACACAACTCCAGTGACCTGGGAATCTCACCCTCATCTCCCACAACAGTCACAGCAAGACCTGCCCAAGG
AGAGTCTGAGCTCAGACATGTCTATCCCTGCCCCGACCTGATGTTCCTTCCCTACCCACCCTGGTATCT
GAACAAAAAGGGCATACAATCTTGGGAGTTCTAGGGCCCCACTCACCACAAGTTCTTCTCCATACTACC
ACAACTGATGCTCTCTGGAAAGCGCTACCTCCTGGCAGGAGGCCAGCCAGCACAAAAATAGAGCCTTCA
ACCACCAAAGCTAAGAACCCTCATGGAGTCCATTGCACCCCCCCTGCCACCTCCACTGGAACAGGTGCT
GGTATCCACAGCCGAGAGACCCATAGACGGTTCACATCACAGGATTCTGTGCAGGCAACCCCCAGTACC
AGCATGGAGCTGGGTAGACTCACTGGGTGGCTAGACCCAGAAGAGAGACAACAATCACAGCAGTTTGGC
TTACAGGAAGCCACATCCATCGGAAAAGGGGGAGGGTATACATCAAGGGAACACCCTGTGGGACAAAGG
AACCTGAACAATGGCCTTCAGCCCTAGACCTTCCCTTTGACAGAGACTACCCAAATGAGAAGGAACCAG
AAAACTAACCCTGGTAATATGACAAAACAAAAGCTCTTTAACACCCACAAAAAAATCACACTAGTTCA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

**Restriction Sites:** SgfI-MluI

**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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** NM_033276.4

**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]

**Locus ID:** 91419

**MW:** 74.2