TP53BP2 cDNA Clone – Tumor Protein P53 Binding Protein, 2 (Human)

PRODUCT OVERVIEW

Product Name	TP53BP2, cDNA Clone
Full Product Name	TP53BP2 cDNA Clone
Product Gene Name	TP53BP2 cdna clone
Sequence	ATGAACGCCC CCCTGGCAGG GACATTGGTA GTGAGTGGAC CAAGATCTCA GGATCCAAGT TTAAAAAGAA ATGGTGTAAA AGTTCCTGGT GAATATCGAA GAAAGGAGAA CGGTGTTAAT AGTCCTAGGA TGGATCTGAC TCTTGCTGAA CTTCAGGAAA TGGCATCTCG CCAGCAGCAA CAGATTGAAG CCCAGCAACA ATTGCTGGCA ACTAAGGAAC AGCGCTTAAA GTTTTTGAAA CAACAAGATC AGCGACAACA GCAACAAGTT GCTGAGCAGG AGAAACTTAA AAGGCTAAAA GAAATAGCTG AGAATCAGGA AGCTAAGCTA AAAAAAGTGA GAGCACTTAA AGGCCACGTG GAACAGAAGA GACTAAGCAA TGGGAAACTT GTGGAGGAAA TTGAACAGAT GAATAATTTG TTCCAGCAAA AACAGAGGGA GCTCGTCCTG GCTGTGTCAA AAGTAGAAGA ACTGACCAGG CAGCTAGAGA TGCTCAAGAA CGGCAGGATC GACAGCCACC ATGACAATCA GTCTGCAGTG GCTGAGCTTG ATCGCCTCTA TAAGGAGCTG CAGCTAAGAA ACAAATTGAA TCAAGAGCAG AATGCCAAGC TACAACAACA GAGGGAGTGT TTGAATAAGC GTAATTCAGA AGTGGCAGTC ATGGATAAGC GTGTTAATGA GCTGAGGGAC CGGCTGTGGA AGAAGAAGGC AGCTCTACAG CAAAAAGAAA ATCTACCAGT TTCATCTGAT GGAAATCTTC CCCAGCAAGC CGCGTCAGCC CCAAGCCGTG TGGCTGCAGT AGGTCCCTAT ATCCAGTCGT CTACTATGCC TCGGATGCCC TCAAGGCCTG AATTGCTGGT GAAGCCAGCC CTGCCGGATG GTTCCTTGGT CATTCAGGCT TCAGAGGGGC CGATGAAAAT ACAGACACTG CCCAACATGA GATCTGGGGC TGCTTCACAA ACTAAAGGCT CTAAAATCCA TCCAGTTGGC CCTGATTGGA GTCCTTCAAA TGCAGATCTT TTCCCAAGCC AAGGCTCTGC TTCTGTACCT CAAAGCACTG GGAATGCTCT GGATCAAGTT GATGATGGAG AGGTTCCGCT GAGGGAGAAA GAGAAGAAAG TGCGTCCGTT CTCAATGTTT GATGCAGTAG ACCAGTCCAA TGCCCCACCT TCCTTTGGTA CTCTGAGGAA GAACCAGAGC AGTGAAGATA TCTTGCGGGA TGCTCAGGTT GCAAATAAAA ATGTGGCTAA AGTACCACCT CCTGTTCCTA CAAAACCAAA ACAGATTAAT TTGCCTTATT TTGGACAAAC TAATCAGCCA CCTTCAGACA TTAAGCCAGA CGGAAGTTCT CAGCAGTTGT CAACAGTTGT TCCGTCCATG GGAACTAAAC CAAAACCAGC AGGGCAGCAG CCGAGAGTGC TGCTATCTCC CAGCATACCT TCGGTTGGCC AAGACCAGAC CCTTTCTCCA GGTTCTAAGC AAGAAAGTCC ACCTGCTGCT GCCGTCCGGC CCTTTACTCC CCAGCCTTCC AAAGACACCT TACTTCCACC CTTCAGAAAA CCCCAGACCG TGGCAGCAAG TTCAATATAT TCCATGTATA CGCAACAGCA GGCGCCAGGA AAAAACTTCC AGCAGGCTGT GCAGAGCGCG TTGACCAAGA CTCATACCAG AGGGCCACAC TTTTCAAGTG TATATGGTAA GCCTGTAATT GCTGCTGCCC AGAATCAACA GCAGCACCCA GAGAACATTT ATTCCAATAG CCAGGGCAAG CCTGGCAGTC CAGAACCTGA AACAGAGCCT GTTTCTTCAG TTCAGGAGAA CCATGAAAAC GAAAGAATTC CTCGGCCACT CAGCCCAACT AAATTACTGC CTTTCTTATC TAATCCTTAC CGAAACCAGA GTGATGCTGA CCTAGAAGCC TTACGAAAGA AACTGTCTAA CGCACCAAGG CCTCTAAAGA AACGTAGTTC TATTACAGAG CCAGAGGGTC CTAATGGGCC AAATATTCAG AAGCTTTTAT ATCAGAGGAC CACCATAGCG GCCATGGAGA CCATCTCTGT CCCATCATAC CCATCCAAGT CAGCTTCTGT GACTGCCAGC TCAGAAAGCC CAGTAGAAAT CCAGAATCCA TATTTACATG TGGAGCCCGA AAAGGAGGTG GTCTCTCTGG TTCCTGAATC ATTGTCCCCA GAGGATGTGG GGAATGCCAG TACAGAGAAC AGTGACATGC CAGCTCCTTC TCCAGGCCTT GATTATGAGC CTGAGGGAGT CCCAGACAAC AGCCCAAATC TCCAGAATAA CCCAGAAGAA CCAAATCCAG AGGCTCCACA TGTGCTTGAT GTGTACCTGG AGGAGTACCC TCCATACCCA CCCCCACCAT ACCCATCTGG GGAGCCTGAA GGGCCCGGAG AAGACTCGGT GAGCATGCGC CCGCCTGAAA TCACCGGGCA GGTCTCTCTG CCTCCTGGTA AAAGGACAAA CTTGCGTAAA ACTGGCTCAG AGCGTATCGC TCATGGAATG AGGGTGAAAT TCAACCCCCT TGCTTTACTG CTAGATTCGT CTTTGGAGGG AGAATTTGAC CTTGTACAGA GAATTATTTA TGAGGTTGAT GACCCAAGCC TCCCCAATGA TGAAGGCATC ACGGCTCTTC ACAATGCTGT GTGTGCAGGC CACACAGAAA TCGTTAAGTT CCTGGTACAG TTTGGTGTAA ATGTAAATGC TGCTGATAGT GATGGATGGA CTCCATTACA TTGTGCTGCC TCATGTAACA ACGTCCAAGT GTGTAAGTTT TTGGTGGAGT CAGGAGCCGC TGTGTTTGCC ATGACCTACA GTGACATGCA GACTGCTGCA GATAAGTGCG AGGAAATGGA GGAAGGCTAC ACTCAGTGCT CCCAATTTCT TTATGGAGTT CAGGAGAAGA TGGGCATAAT GAATAAAGGA GTCATTTATG CGCTTTGGGA TTATGAACCT CAGAATGATG ATGAGCTGCC CATGAAAGAA GGAGACTGCA TGACAATCAT CCACAGGGAA GACGAAGATG AAATCGAATG GTGGTGGGCG CGCCTTAATG ATAAGGAGGG ATATGTTCCA CGTAACTTGC TGGGACTGTA CCCAAGAATT AAACCAAGAC AAAGGAGCTT GGCCTGA
Molecular Weight	126,323 Da
OMIM	602143

Vector	Please Inquire
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for TP53BP2 cdna clone	MBS1278986 is a cDNA clone targeting TP53BP2.
Other Notes	Small volumes of TP53BP2 cdna clone vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TP53BP2. It may not necessarily be applicable to this product.

NCBI GI #	25955664
NCBI GeneID	7159
NCBI Accession #	BC040247
UniProt Secondary Accession #	Q12892; Q86X75; Q96KQ3; B4DG66
UniProt Related Accession #	Q13625
NCBI Official Full Name	Homo sapiens tumor protein p53 binding protein, 2, mRNA
NCBI Official Synonym Full Names	tumor protein p53 binding protein 2
NCBI Official Symbol	TP53BP2
NCBI Official Synonym Symbols	BBP; 53BP2; ASPP2; P53BP2; PPP1R13A
UniProt Protein Name	Apoptosis-stimulating of p53 protein 2
UniProt Synonym Protein Names	Bcl2-binding protein; Bbp; Renal carcinoma antigen NY-REN-51; Tumor suppressor p53-binding protein 2; 53BP2; p53-binding protein 2; p53BP2
Protein Family	Apoptosis-stimulating of p53 protein
UniProt Gene Name	TP53BP2
UniProt Synonym Gene Names	ASPP2; BBP; Bbp; 53BP2; p53-binding protein 2; p53BP2
UniProt Entry Name	ASPP2_HUMAN
NCBI Protein Information	apoptosis-stimulating of p53 protein 2
NCBI Summary for TP53BP2	This gene encodes a member of the ASPP (apoptosis-stimulating protein of p53) family of p53 interacting proteins. The protein contains four ankyrin repeats and an SH3 domain involved in protein-protein interactions. It is localized to the perinuclear region of the cytoplasm, and regulates apoptosis and cell growth through interactions with other regulatory molecules including members of the p53 family. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

UniProt Comments for TP53BP2	53BP2: Regulator that plays a central role in regulation of apoptosis and cell growth via its interactions. Regulates TP53 by enhancing the DNA binding and transactivation function of TP53 on the promoters of proapoptotic genes in vivo. Inhibits the ability of APPBP1 to conjugate NEDD8 to CUL1, and thereby decreases APPBP1 ability to induce apoptosis. Impedes cell cycle progression at G2/M. Its apoptosis-stimulating activity is inhibited by its interaction with DDX42. Belongs to the ASPP family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Transcription, coactivator/corepressor Chromosomal Location of Human Ortholog: 1q41 Cellular Component: cytoplasm; nucleoplasm; nucleus; perinuclear region of cytoplasm Molecular Function: identical protein binding; NF-kappaB binding; p53 binding; protein binding; SH3/SH2 adaptor activity Biological Process: negative regulation of cell cycle; regulation of apoptosis; signal transduction
Research Articles on TP53BP2	**1.** ASSP2 expression is lower in cancerous tissues and decreased ASPP2 lead to higher cancer cells proliferation and autophagic flux, which contribute to the gemcitabine resistance.
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