BRD7 cDNA Clone – Bromodomain Containing 7 (Human)

PRODUCT OVERVIEW

Product Name	BRD7, cDNA Clone
Full Product Name	BRD7 cDNA Clone
Product Gene Name	BRD7 cdna clone
Sequence	atgggcaaga agcacaagaa gcacaagtcg gacaaacacc tctacgagga gtatgtagag aagcccttga agctggtcct caaagtagga gggaacgaag tcaccgaact ctccacgggc agctcggggc acgactccag cctcttcgaa gacaaaaacg atcatgacaa acacaaggac agaaagcgga aaaagagaaa gaaaggagag aagcagattc caggggaaga aaaggggaga aaacggagaa gagttaagga ggataaaaag aagcgagatc gagaccgggt ggagaatgag gcagaaaaag atctccagtg tcacgcccct gtgagattag acttgcctcc tgagaagcct ctcacaagct ctttagccaa acaagaagaa gtagaacaga cacccctttca agaagctttg aatcaactga tgagacaatt gcagagaaaa gatccaagtg ctttcttttc atttcctgtg actgatttta ttgctcctgg ctactccatg atcattaaac acccaatgga ttttagtacc atgaaagaaa agatcaagaa caatgactat cagtccatag aagaactaaa ggataacttc aaactaatgt gtactaatgc catgatttac aataaaccag agaccattta ttataaagct gcaaagaagc tgttgcactc aggaatgaaa attcttagcc aggaaagaat tcagagcctg aagcagagca tagacttcat ggctgacttg cagaaaactc gaaagcagaa agatggaaca gacacctcac agagtgggga ggacggaggc tgctggcaga gagagagaga ggactctgga gatgccgaag cacacgcctt caagagtccc agcaaagaaa ataaaaagaa agacaaagat atgcttgaag ataagtttaa aagcaataat ttagagagag agcaggagca gcttgaccgc atcgtgaagg aatctggagg aaagctgacc aggcggcttg tgaacagtca gtgcgaattt gaaagaagaa aaccagatgg aacaacgacg ttgggacttc tccatcctgt ggatcccatt gtaggagagc caggctactg ccctgtgaga ctgggaatga caactggaag acttcagtct ggagtgaata ctttgcaggg gttcaaagag gataaaagga acaaagtcac tccagtgtta tatttgaatt atgggcccta cagttcttat gcaccgcatt atgactccac atttgcaaat atcagcaagg atgattctga tttaatctat tcaacctatg gggaagactc tgatcttcca agtgatttca gcatccatga gtttttggcc acgtgccaag attatccgta tgtcatggca gatagtttac tggatgtttt aacaaaagga gggcattcca ggaccctaca agagatggag atgtcattgc ctgaagatga aggccatact aggacacttg acacagcaaa agaaatggag attacagaag tagagccacc agggcgtttg gactccagta ctcaagacag gctcatagcg ctgaaagcag taacaaattt tggcgttcca gttgaagttt ttgactctga agaagctgaa atattccaga agaaacttga tgagaccacc agattgctca gggaactcca ggaagcccag aatgaacgtt tgagcaccag acccctccg aacatgatct gtctcttggg tccctcatac agagaaatgc atcttgctga acaagtgacc aataatctta aagaacttgc acagcaagta actccaggtg atatcgtaag cacgtatgga gttcgaaaag caatggggat ttccattcct tcccccgtca tggaaaacaa ctttgtggat ttgacagaag acactgaaga acctaaaaag acggatgttg ctgagtgtgg acctggtgga agttga
Molecular Weight	74,267 Da
Vector	Please Inquire
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for BRD7 cdna clone	MBS1277842 is a cDNA clone targeting BRD7.
Other Notes	Small volumes of BRD7 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 BRD7. It may not necessarily be applicable to this product.

NCBI GI #	29791871
NCBI GeneID	29117
NCBI Accession #	BC050728
UniProt Secondary Accession #	Q4VC09; Q8N2L9; Q96KA4; Q9BV48; Q9UH59
UniProt Related Accession #	Q9NPI1
NCBI Official Full Name	Homo sapiens bromodomain containing 7, mRNA
NCBI Official Synonym Full Names	bromodomain containing 7

NCBI Official Symbol	BRD7
NCBI Official Synonym Symbols	BP75; NAG4; CELTIX1
UniProt Protein Name	Bromodomain-containing protein 7
UniProt Synonym Protein Names	75 kDa bromodomain protein; Protein CELTIX-1
Protein Family	Bromodomain-containing protein
UniProt Gene Name	BRD7
UniProt Synonym Gene Names	BP75; CELTIX1
UniProt Entry Name	BRD7_HUMAN
NCBI Protein Information	bromodomain-containing protein 7
NCBI Summary for BRD7	This gene encodes a protein which is a member of the bromodomain-containing protein family. The product of this gene has been identified as a component of one form of the SWI/SNF chromatin remodeling complex, and as a protein which interacts with p53 and is required for p53-dependent oncogene-induced senescence which prevents tumor growth. Pseudogenes have been described on chromosomes 2, 3, 6, 13 and 14. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2010]
UniProt Comments for BRD7	BRD7: a bromodomain protein that binds dishevelled-1 (DVL1) and enhances Wnt signaling by inhibiting GSK3B. Interacts with DVL1, PTPN13, IRF2 and HNRPUL1. Associates with histones and E1B-AP5. Binds acetylated histone peptides, most notably H3 peptide acetylated at Lys14. Associates with histones and E1B-AP5. Its bromodomain is found in many chromatin-associated proteins and most known histone acetyltransferases. Inhibits G1-S progression by transcriptional regulation of molecules in the ras and Rb pathways. Plays an important role in transcriptional activation and chromatin remodeling. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Histone-binding; Cell cycle regulation; Transcription regulation; Tumor suppressor Chromosomal Location of Human Ortholog: 16q12 Cellular Component: cytoplasm; nucleoplasm; nucleus Molecular Function: histone binding; p53 binding; protein binding; transcription coactivator activity; transcription corepressor activity; transcription factor binding Biological Process: negative regulation of cell proliferation; negative regulation of transcription, DNA-dependent; positive regulation of histone acetylation; positive regulation of transcription, DNA-dependent; regulation of transcription from RNA polymerase II promoter
Research Articles on BRD7	**1.** Propose that the balance between BRD7 function and Ras/Raf/MEK/ERK activity is important for determining the outcomes of HCV infection and HCC development.
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