

Recombinant Human BRD7, GST-tagged

Cat. No. BRD7-13H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BRD7 full-length ORF (1 a.a. - 651 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
Description	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.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	97.13 kDa
AA Sequence	MGKKHKHKHSDKHL YEEYVEKPLKLV LKVG GNEVTELSTGSSGHDSSLFEDKNDHD KHKDRKRKRKRKKG EKQIPG EEKGRKRRRVKEDKKKRDRDRVENEAEKDLQCHAP VRLDLPPEKPLTSSLAKQEEVEQ TPLQEALNQLMRQLQRK DPSAFFSFPVTDFIAPG YSMIKH PMDFSTMKEKIKNNDYQSIEELKDNFKLMCTNAMIYNKPETIYYKAAKLL HSGMKILSQERIQSLKQSIDFMADLQKTRKQKDGTDTSQSGEDGGCWQREREDSG DAEAHAFKSPSKENKKDKD MLEDKFKSNNLEREQEQLDRIVKESGGKLTRRLVNS QCEFERRKPDGTTTLGLLHPVDPIVGEPGYCPVRLGMTT GRLQSGVNTLQGFKED

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KRNVKTPVLYLNYGPYSSYAPHYDSTFANISKDDSDLIYSTYGEDSDLPSPDFSIHEFL
 A TCQDYPYVMADSLLDVLTGKGHSRTLQEMEMSLPEDEGHTRTLDTAKEMEITEVE
 PPGRLDSSSTQDRILALKAVT NFGVPVEVFDSEEAEIFQKKLDETTRLLRELQEAQNE
 RLSTRPPPNMICLLGPSYREMHAEQVTNNLKELAQQV TPGDIVSTYGVRKAMGISI
 PSPVMENNPFVDLTEDTEEPKKTDAECGP GGS

Applications Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name BRD7 bromodomain containing 7 [Homo sapiens]

Official Symbol BRD7

Synonyms BP75; NAG4; CELTIX1; bromodomain-containing protein 7; 75 kDa bromodomain
 protein; protein CELTIX-1

Gene ID 29117

mRNA Refseq NM_001173984

Protein Refseq NP_001167455

UniProt ID Q9NPI1

Chromosome 16q12

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Location	
Pathway	Wnt Signaling Pathway NetPath, organism-specific biosystem
Function	histone binding; lysine-acetylated histone binding; p53 binding

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