

Recombinant Human BRD7, GST-tagged

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

SPECIFICATION

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| 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 | MGKKHKKHKS DKHLYEEYVEKPLKLVLVGGNEVTELSTGSSGHDSSLFEDKNDHD KHKDRKRKRKRKKG EKQIPG EEKGRKRRRVKEDKKKRDRDRVENEAEKDLQCHAP VRLDLPPEKPLTSSLAKQEEVEQ TPLQEALNQLMRQLQRK DPSAFFSFPVTDFIAPG YSMIIKHPMDFSTMKEKIKNNDYQSIEELKDNFKLMCTNAMIYKPKETIYYKAAKLL HSGMKILSQERIQSLKQSIDFMADLQKTRKQKDGTDTSQSGEDGGCWQREREDSG DAEAHAFKSPSKENKKDKD MLEDKFKSNNLEREQQLDRIVKESGGKLTRRLVNS QCEFERRKPDGTTTLGLLHPVDPIVGEPGYCPVRLG MTT GRLQSGVNTLQGFKED |

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KRNKVTPVLYLNYGPYSSYAPHYDSTFANISKDDSDLIYSTYGEDSDLPSDFSIHEFL
 A TCQDYPYVMADSLLDVLTGGHRSRTLQEMEMSLPEDEGHTRTLDTAKEMEITEVE
 PPGRLDSSTQDRILKAVT NFGVPVEVFDSEEAEIFQKKLDETRLLRELQEAQNE
 RLSTRPPPNMICLLGPSYREMHAEQVTNNLKELAQQV TPGDIVSTYGVRKAMGISI
 PSPVMENNFVDLTEDTEEPKKTDAECGPGGS

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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