

Recombinant Mouse Brd7 Protein, Myc/DDK-tagged

Cat. No. Brd7-1890M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length bromodomain containing 7 (Brd7), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Acts both as coactivator and as corepressor. May play a role in chromatin remodeling. Transcriptional corepressor that down-regulates the expression of target genes. Binds to target promoters, leading to increased histone H3 acetylation at 'Lys-9' (H3K9ac). Binds to the ESR1 promoter. Recruits BRCA1 and POU2F1 to the ESR1 promoter. Coactivator for TP53-mediated activation of transcription of a set of target genes. Required for TP53-mediated cell-cycle arrest in response to oncogene activation. Promotes acetylation of TP53 at 'Lys-382', and thereby promotes efficient recruitment of TP53 to target promoters. Inhibits cell cycle progression from G1 to S phase. Activator of the Wnt signaling pathway in a DVL1-dependent manner by negatively regulating the GSK3B phosphotransferase activity. Induces dephosphorylation of GSK3B at 'Tyr-216'. Down-regulates TRIM24-mediated activation of transcriptional activation by AR.
Molecular Mass	74.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and

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handling conditions. Avoid repeated freeze-thaw cycles.

Storage Store at -80 centigrade after receiving vials.

Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Brd7 bromodomain containing 7 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Brd7](#)

Synonyms BRD7; bromodomain containing 7; bromodomain-containing protein 7; bromodomain-containing 7; 75 kDa bromodomain protein; bromodomain protein 75 kDa; protein tyrosine phosphatase, non-receptor type 13 interacting protein; BP75; CELTIX1; Ptpn13ip

Gene ID [26992](#)

mRNA Refseq [NM_012047](#)

Protein Refseq [NP_036177](#)

UniProt ID [O88665](#)

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