

## Product datasheet for TP524080

### Brd7 (NM\_012047) Mouse Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Mouse bromodomain containing 7 (Brd7), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
<b>Species:</b>	Mouse
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>MR224080 representing NM_012047 Red=Cloning site Green=Tags(s)

MGKKHKKHKS DRHFYEEYVEKPLKLVKVGSEVTE LSTGSSGHDSSLFEDRS DHDKHKDRKRKKRKKGE  
KQAPGEEKGRKRRRVKEDKKRDRDRAENEVDRDLQCHVPIRLDLPPEKPLTSSLAKQEEVEQTPLQEAL  
NQLMRQLQRKDPSAFFSFPVTDFIAPGYSMIHKHPMDFSTMKEKIKNNDYQSIEELKDNFKLMCTNAMIY  
NKPETIYYKAAKLLHSGMKILSQERIQSLKQSIDFMSDLQKTRKQKERTDACQSGEDSGCWQREREDSG  
DAETQAFRSPAKDNKRKDKDVLEDKWRSSNSEREHEQIERVWQESGGKLT RRLANSQCEFERRKPDGTTT  
LGLLHPVDPIVGEPGYCPVRLG MTTGRLQSGVNTLQGFKEDKRN RVTPVLYLNYGPYSSYAPHYDSTFAN  
ISKDSDLIYSTYGEDSDLPNNFSISEFLATCQDY PYVMADSLLDVLT KGGHSRSLQDLDMSSPEDEGQT  
RALDTAKEAEITQIEPTGRLESSSQDRLTALQAVTTFGAPAEVFDSEEA EVFQRKLD ETTRLLRELQEAQ  
NERLSTRPPPNMICLLGPSYREMYLAEQVTNNL KELTSQVTPGDVWSI HGVRKAMGISVPSPIVGNSFVD  
LTGECEEPKETSTAECGPDAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

<b>Tag:</b>	C-MYC/DDK
<b>Predicted MW:</b>	74.4 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C after receiving vials.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_036177](#)

Locus ID: 26992

UniProt ID: [Q88665](#)

RefSeq Size: 2370

Cytogenetics: 8 C3

RefSeq ORF: 1953

Synonyms: BP75; CELTIX1; Ptpn13ip

**Summary:** 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 (By similarity). 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.[UniProtKB/Swiss-Prot Function]