

Active Recombinant Human BRDT, His&FLAG-tagged

Cat. No. BRDT-37H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BRDT corresponding to amino acids 21-137 that contains the bromodomain sequences of BRDT (accession number NP_001717.2) was expressed in E. coli and contains an N-terminal His tag and C-terminal FLAG tag.
Species	Human
Source	E.coli
ProteinLength	21-137 a.a.
Description	BRDT is similar to the RING3 protein family. It possesses two bromodomain motifs and a PEST sequence (a cluster of proline, glutamic acid, serine, and threonine residues), characteristic of proteins that undergo rapid intracellular degradation. The bromodomain functions as a "reader" of epigenetic histone marks and regulates chromatin structure and gene expression by linking associated proteins to the recognized acetylated nucleosomal targets.
Form	25 mM HEPES pH 7.5, 150 mM NaCl and 5% glycerol.
Bio-activity	Binding specificity for acetylated H2BK12/15, H3K9/14/18/23, H4K12, H4K5/8, H4K8/12, H4K12/16, H4K5/12, H4K5/8/12/16 and H4K5/8/12/16.
Molecular Mass	20 kDa
Applications	Binding assays, inhibitor screening, and selectivity profiling.

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Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80°C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage.
Concentration	1.9 mg/ml
GENE INFORMATION	
Gene Name	BRDT bromodomain, testis-specific [Homo sapiens]
Official Symbol	BRDT
Synonyms	BRDT; bromodomain, testis-specific; bromodomain testis-specific protein; BRD6; cancer/testis antigen 9; CT9; RING3-like protein;
Gene ID	676
mRNA Refseq	NM_001242805
Protein Refseq	NP_001229734
MIM	602144
UniProt ID	Q58F21
Chromosome Location	1p22.1
Function	histone binding; protein serine/threonine kinase activity; transcription coactivator activity;

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