

Recombinant Human BRDT, His-tagged

Cat. No. BRDT-1912H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant protein includes Bromo 1 domain (257-382 aa) with N-terminal His-tag.
Species	Human
Source	E.coli
ProteinLength	257-382 aa
Description	BrdT is similar to the RING3 protein family. It possesses 2 bromodomain motifs and a PEST sequence. The bromodomain is found in proteins that regulate transcription. BrdT drives a meiotic and post-meiotic gene expression program. It also controls the genome-wide post-meiotic genome reorganization that occurs after histone hyperacetylation in elongating spermatids. It may play a role in the transcriptional regulation of spermatogenesis. It also seems to have a structural ATP-independent role in the reorganization of acetylated chromatin.
Appearance	Liquid
Form	rh-BrdT is supplied as a solution in 50 mM Tris, pH 8.0, 150 mM NaCl and 10% Glycerol.
Molecular Mass	14.9 kDa (126 aa, 257-382 aa + NT His Tag)
Purity	≥98% by SDS-PAGE

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Usage	For Research Use Only! Not For Use in Humans.
Storage	Stable for 1 year at –80°C. Avoid multiple freeze/thaw cycles as activity may decrease.
GENE INFORMATION	
Gene Name	BRDT bromodomain, testis-specific [Homo sapiens (human)]
Official Symbol	BRDT
Synonyms	BRDT; bromodomain, testis-specific; CT9; BRD6; bromodomain testis-specific protein; RING3-like protein; cancer/testis antigen 9
Gene ID	676
mRNA Refseq	NM_001726
Protein Refseq	NP_001717
MIM	602144
UniProt ID	Q58F21
Chromosome Location	1p22.1
Function	histone acetyl-lysine binding; histone binding; transcription coactivator activity

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