

## Recombinant Human BRDT, His-tagged

Cat. No. BRDT-1915H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant protein includes Bromo 1 domain (22-138 aa) with N-terminal His-tag.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	22-138 aa
<b>Description</b>	<p>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.</p>
<b>Appearance</b>	Liquid
<b>Form</b>	rh-BrdT is supplied as a solution in 50 mM Tris, pH 8.0, 150 mM NaCl and 10% Glycerol.
<b>Molecular Mass</b>	13.9 kDa (117aa, 22-138 +NT-His Tag)
<b>Purity</b>	≥98% by SDS-PAGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

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