

Recombinant Human Bromodomain Testis-specific Protein (BrdT)

CATALOG #:	7641-20	20 µg
	7641-100	100 µg
	7641-1000	1 mg
SOURCE:	<i>E. coli</i>	
PURITY:	≥98% by SDS-PAGE	
MOL. WEIGHT:	13.9 kDa (117aa, 22-138 +NT-His Tag)	
FORMULATION:	rh-BrdT is supplied as a solution in 50 mM Tris, pH 8.0, 150 mM NaCl and 10% Glycerol.	
STORAGE CONDITIONS:	Stable for 1 year at -80°C. Avoid multiple freeze/thaw cycles as activity may decrease.	

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. BioVision's recombinant protein includes Bromo 1 domain (22-138 aa) with N-terminal His-tag.

APPLICATION AND USAGE:

BrdT is useful in studying bromodomain binding assays, screening inhibitors and selectivity profiling.



SDS-PAGE (15%) of purified BrdT protein: Lane 1, BrdT protein (22-138aa); Lane 2, protein marker.

RELATED PRODUCTS:

- Recombinant Human Bromodomain-containing Protein 4 (Cat. No. 7644-20, 100, -1000)
- Bromodomain Inhibitor, (+)-JQ1 (Cat. No. 2070-1, -5)
- BRD8 Antibody (Cat. No. 3738-100)
- BRD8 Antibody (Cat. No. 3506-100)
- BRD8 Blocking Peptide (Cat. No. 3506BP-50)
- EZSolution™ (+)-JQ1 (Cat. No. 2091-1)
- I-BET151 (Cat. No. 2220-1, -5)
- PFI-1 (Cat. No. 2203-1, -5)

FOR RESEARCH USE ONLY! Not to be used on humans.