

Datasheet for ABIN7564817  
**BRDT Protein (AA 1-956) (His tag)**



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## Overview

Quantity:	1 mg
Target:	BRDT
Protein Characteristics:	AA 1-956
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BRDT protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Brdt Protein expressed in mammalian cells.
Sequence:	<p>MSLPSRQTAI VNPPPEYIN TKKSGRLTNQ LQFLQRVVLK ALWKHGFSWP FQQPVDVAVKL</p> <p>KLPDYYTIK TPMDLNTIKK RLENKYEKA SECIEDFNTM FSNCYLYNKT GDDIVVMAQA</p> <p>LEKLFMQKLS QMPQEEQVVG GKRIKKDIQ QKIAVSSAKE QIPSKAAENV FKRQEIPSGL</p> <p>PDISLSPLNM AQEAPPICDS QSLVQITKGV KRRADTTTPT TSIKASSES PPTLRETKPV</p> <p>NMPVKENTVK NVLPDSQQQH KVLKTVKVTE QLKHCSEILK EMLAKKHLPY AWPFYNPVDA</p> <p>DALGLHNYVD VVKNPMDLGT IKGKMDNQEY KDAYEFAADV RLMFMNCYKY NPPDHEVVAM</p> <p>ARTLQDV FEL HFAKIPDEPI ESMHACHLT NSAQALSRES SSEASSGDAS SEDSEDERVQ</p> <p>HLAKLQEQLN AVHQQQLQVLS QVPLRKLKKK NEKSKRAPKR KKVNNRDENP RKKPKQMKQK</p> <p>EKAKINQPKK KKPLLKSEEE DNAKPMNYDE KRQLSLDINK LPGDKLGRIV HIIQSREPSL</p> <p>RNSNPDEIEI DFETLKASTL RELEKYVLAC LRKRLKPQA KKVRSKEEL HSEKKLELER</p> <p>RLLDVNNQLN CRKRQTKRPA KVEKPPPPPP PPPPPPPPE LASGSRLTDS SSSSGSGSGS</p>

SSSSSGSSSS SSSSGSASSS SDSSSSDSSD SEPEIFPKFT GVKQNDLPPK ENIKQIQSSV  
QDITSAEAPL AQQSTAPCGA PGKHSQQMLG CQVTQHLQAT ENTASVQTQP LSGDCKRVLL  
GPPVVHTSAE SLTVLEPECH APAQKDIKIK NADSWKSLGK PVKASSVLKS SDELFNQFRK  
AAIEKEVKAR TQEQMRKHLE HNAKDPKVSQ ENQREPGSL TLESLSSKVQ DKSLEEDQSE  
QQPPSEAQDV SKLWLLKDRN LAREKEQERR RREAMAGTID MTLQSDIMTM FENNFD **Sequence  
without tag. The proposed Purification-Tag is based on experiences with the expression  
system, a different complexity of the protein could make another tag necessary. In case you  
have a special request, please contact us.**

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	BRDT
Alternative Name:	Brd1 ( <a href="#">BRDT Products</a> )
Background:	Bromodomain testis-specific protein (Bromodomain-containing female sterile homeotic-like protein) (RING3-like protein),FUNCTION: Testis-specific chromatin protein that specifically binds histone H4 acetylated at 'Lys-5' and 'Lys-8' (H4K5ac and H4K8ac, respectively) and plays a key role in spermatogenesis (PubMed:12861021, PubMed:19794495, PubMed:22901802, PubMed:22922464). Required in late pachytene spermatocytes: plays a role in meiotic and

## Target Details

post-meiotic cells by binding to acetylated histones at the promoter of specific meiotic and post-meiotic genes, facilitating their activation at the appropriate time. In the post-meiotic phase of spermatogenesis, binds to hyperacetylated histones and participates in their general removal from DNA (PubMed:22901802). Also recognizes and binds a subset of butyrylated histones: able to bind histone H4 butyrylated at 'Lys-8' (H4K8ac), while it is not able to bind H4 butyrylated at 'Lys-5' (H4K5ac) (PubMed:27105113). Also acts as a component of the splicing machinery in pachytene spermatocytes and round spermatids and participates in 3'-UTR truncation of specific mRNAs in post-meiotic spermatids (PubMed:22570411). Required for chromocenter organization, a structure comprised of peri-centromeric heterochromatin (PubMed:22020252). {ECO:0000269|PubMed:12861021, ECO:0000269|PubMed:19794495, ECO:0000269|PubMed:22020252, ECO:0000269|PubMed:22570411, ECO:0000269|PubMed:22901802, ECO:0000269|PubMed:22922464, ECO:0000269|PubMed:27105113}.

Molecular Weight:	107.3 kDa
UniProt:	<a href="#">Q91Y44</a>

## Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months