

Datasheet for ABIN7552706  
**BRD9 Protein (AA 1-597) (His tag)**



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## Overview

Quantity:	1 mg
Target:	BRD9
Protein Characteristics:	AA 1-597
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BRD9 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat BRD9 Protein expressed in mammalian cells.
Sequence:	<p>MGKKHKKKHKA EWRSSYEDYA DKPLEKPLKL VLKVGGESEVT ELSGSGHDSS YYDDRS DHER  ERHKEKKKKK KKKSEKEKHL DDEERRKRKE EKKRKREREH CDTEGEADDF DPGKKVEVEP  PPDRPVACR TQPAENESTP IQLLEHFLR QLQRKDPHGF FAFPVTDAIA PGYSMIKHP  MDFGTMKDKI VANEYKSVTE FKADFKLMCD NAMTYNRPDT VYYKLAKKIL HAGFKMMSKQ  AALLGNEDTA VEEPVPVEVP VQVETAKKSK KPSREVISCM FEPEGNACSL TDSTAEHVL  ALVEHADEA RDRINRFLPG GKMGYLKRNG DGSLLYSVN TAEPDADEEE THPVDLSSLS  SKLLPGFTTL GFKDERRNKV TFLSSATTAL SMQNNVFGD LKSDAMELLY SAYGDETVQ  CALSLQEFVK DAGSYSKKVV DDLDDQITGG DHSRTLFLQK QRRNVPMKPP DEAKVGDTLG  DSSSSVLEFM SMKSYPDVSV DISMLSSLGK VKKELDPDDS HLNLDDETKL LQDLHEAQAE  RGGSRPSSNL SSLSNASERD QHHLGSPSRL SVGEQPDVTH DPYEFLQSPE PAASAKT <b>Sequence</b>  <b>without tag. The proposed Purification-Tag is based on experiences with the expression</b></p>

**system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

### Characteristics:

#### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

### Grade:

custom-made

## Target Details

### Target:

BRD9

### Alternative Name:

BRD9 ([BRD9 Products](#))

### Background:

Bromodomain-containing protein 9 (Rhabdomyosarcoma antigen MU-RMS-40.8),FUNCTION: Plays a role in chromatin remodeling and regulation of transcription (PubMed:22464331, PubMed:26365797). Acts as a chromatin reader that recognizes and binds acylated histones: binds histones that are acetylated and/or butyrylated (PubMed:26365797). Component of SWI/SNF chromatin remodeling subcomplex GBAF that carries out key enzymatic activities, changing chromatin structure by altering DNA-histone contacts within a nucleosome in an ATP-dependent manner (PubMed:29374058). Orchestrates also the RAD51-RAD54 complex formation and thereby plays a role in homologous recombination (HR) (PubMed:32457312). {ECO:0000269|PubMed:22464331, ECO:0000269|PubMed:26365797, ECO:0000269|PubMed:29374058, ECO:0000269|PubMed:32457312}.

### Molecular Weight:

67.0 kDa

## Target Details

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UniProt: [Q9H8M2](#)

## Application Details

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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

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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