

**BRD3-Bromodomain1 (29-145 aa) (His-Tagged) human recombinant protein**  
**KIAA0043, RING3L**  
**Catalog # PBV10883r****Specification**

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**BRD3-Bromodomain1 (29-145 aa) (His-Tagged) human recombinant protein - Product info**

Primary Accession	<a href="#">Q15059</a>
Concentration	2
Calculated MW	16.2 kDa KDa

**BRD3-Bromodomain1 (29-145 aa) (His-Tagged) human recombinant protein - Additional Info**

Gene ID	8019
Gene Symbol	BRD3
<b>Other Names</b>	
KIAA0043, RING3L	
Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥98%
Assay2&Purity2	N/A;
Recombinant	Yes
<b>Target/Specificity</b>	
BRD3	

**Format**

Liquid

**Storage**

-80°C; rh-BRD3-BD1 is supplied as a solution in PBS Buffer containing 10% glycerol

**BRD3-Bromodomain1 (29-145 aa) (His-Tagged) human recombinant protein - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**BRD3-Bromodomain1 (29-145 aa) (His-Tagged) human recombinant protein - Images****BRD3-Bromodomain1 (29-145 aa) (His-Tagged) human recombinant protein - Background**

The acetylation of histone lysine residues plays a crucial role in the epigenetic regulation of gene transcription. A bromodomain is a protein domain that recognizes acetylated lysine residues such as those on the N-terminal tails of histones. This recognition is often a prerequisite for protein-histone association and chromatin remodeling. These domains function in the linking of protein complexes to acetylated nucleosomes, thereby controlling chromatin structure and gene expression. Thus, bromodomains serve as “readers” of histone acetylation marks regulating the transcription of target promoters. BRD3 binds hyper-acetylated chromatin and plays a role in the regulation of transcription, probably by chromatin remodeling and interaction with transcription factors. It regulates transcription by promoting the binding of the transcription factor GATA1 to its targets and transcription of the CCND1 gene. A chromosomal aberration involving BRD3 was found in a rare, aggressive, and lethal carcinoma arising in midline organs of young people. The recombinant protein includes Bromodomain-containing protein 3 (contains 29-145 aa) with N-terminal His-tag.

#### **BRD3-Bromodomain1 (29-145 aa) (His-Tagged) human recombinant protein - References**

Nomura N., et al. DNA Res. 1:223-229(1994).  
Ishii H., et al. DNA Cell Biol. 24:432-437(2005).  
Humphray S.J., et al. Nature 429:369-374(2004).  
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.  
Thorpe K.L., et al. Gene 200:177-183(1997).