

BRM bromodomain (1367-1511 aa) (GST-tagged), Human recombinant protein
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Catalog # PBV11231r**Specification**

BRM bromodomain (1367-1511 aa) (GST-tagged), Human recombinant protein - Product info

Primary Accession [P51531](#)
Calculated MW **43.7 kDa (1367-1511 aa + NT GST Tag) KDa**

BRM bromodomain (1367-1511 aa) (GST-tagged), Human recombinant protein - Additional Info

Gene ID	6595
Gene Symbol	SMARCA2
Other Names	
SMARCA2A/B; SWI/SNF ATPase	
Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	HPLC;
Recombinant	Yes
Target/Specificity	
BRM	

Format

Liquid

Storage

-80°C; 50 mM Tris, pH 7.5, containing 500 mM sodium chloride, 5% glycerol, and 5 mM β-mercaptoethanol.

BRM bromodomain (1367-1511 aa) (GST-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](#)

BRM bromodomain (1367-1511 aa) (GST-tagged), Human recombinant protein - Images**BRM bromodomain (1367-1511 aa) (GST-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. BRM is a member of the SWI/SNF protein family, which forms part of a large ATP-dependent chromatin remodeling complex. This complex is required for transcriptional activation of genes normally repressed by chromatin.

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Muchardt C., et al. EMBO J. 12:4279-4290(1993).
Chiba H., et al. Nucleic Acids Res. 22:1815-1820(1994).
Humphray S.J., et al. Nature 429:369-374(2004).
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Kitagawa H., et al. Cell 113:905-917(2003).