

Polybromo-1D bromodomain 1 (23-156 aa) (GST-tagged), Human recombinant protein
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Catalog # PBV11232r

Specification

Polybromo-1D bromodomain 1 (23-156 aa) (GST-tagged), Human recombinant protein - Product info

Primary Accession [Q86U86](#)
Calculated MW **42.8 kDa (23-156 aa + NT GST Tag) KDa**

Polybromo-1D bromodomain 1 (23-156 aa) (GST-tagged), Human recombinant protein - Additional Info

Gene ID **55193**
Gene Symbol **PBRM1**
Other Names
MGC165155; PBRM1; MGC165156; BAF180; Protein Polybromo-1; BRG1-associated factor 180; hPB1; PB1

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.

Polybromo-1D bromodomain 1 (23-156 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](#)

Polybromo-1D bromodomain 1 (23-156 aa) (GST-tagged), Human recombinant protein -

Images

Polybromo-1D bromodomain 1 (23-156 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. The PBRM1 gene encodes the bromodomain-containing protein Polybromo-1D (PBRM1). PBRM1 contains six bromodomains and is a component of the SWI/SNF complex, PBAF. PBAF is targeted to acetylated sites in chromatin by the PBRM1 bromodomains, where it plays a role in cell cycle regulation and tumor suppression. This product contains the bromodomain 1 region of PBRM1.

Polybromo-1D bromodomain 1 (23-156 aa) (GST-tagged), Human recombinant protein - References

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Horikawa I.,et al.DNA Seq. 13:211-215(2002).
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Ota T.,et al.Nat. Genet. 36:40-45(2004).
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