

BAZ2B bromodomain (2064-2168 aa) (GST-tagged), Human recombinant protein
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Catalog # PBV11230r**Specification**

BAZ2B bromodomain (2064-2168 aa) (GST-tagged), Human recombinant protein - Product info

Primary Accession	O9UIF8
Calculated MW	40.2 kDa (2064-2168 aa + NT GST Tag) KDa

BAZ2B bromodomain (2064-2168 aa) (GST-tagged), Human recombinant protein - Additional Info

Gene ID	29994
Gene Symbol	BAZ2B
Other Names	
Bromodomain Adjacent to Zinc Finger Domain 2B; KIAA1476; WALp4	
Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥80%
Assay2&Purity2	HPLC;
Recombinant	Yes
Target/Specificity	
BAZ2B	

Format

Liquid

Storage

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

BAZ2B bromodomain (2064-2168 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](#)

BAZ2B bromodomain (2064-2168 aa) (GST-tagged), Human recombinant protein - Images

BAZ2B bromodomain (2064-2168 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. BAZ2B is expressed in heart, skeletal, testis, and pancreatic tissues. A rare allele of BAZ2B has been identified to be a predictor of Sudden Cardiac Death.⁴ The full-length protein contains several DNA-targeting domains, including a methyl-CpG binding domain, a DNA-binding DDT domain, and a tandem PHD-bromodomain. This protein product contains the bromodomain of BAZ2B.

BAZ2B bromodomain (2064-2168 aa) (GST-tagged), Human recombinant protein - References

Jones M.H.,et al.Genomics 63:40-45(2000).
Nagase T.,et al.DNA Res. 7:143-150(2000).
Ohara O.,et al.Submitted (APR-2003) to the EMBL/GenBank/DDBJ databases.
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Bechtel S.,et al.BMC Genomics 8:399-399(2007).