

**BRD1 bromodomain (556-680 aa) (GST-tagged), human recombinant protein**  
**Human recombinant BRD1 bromodomain (556-680 aa) (GST-tagged)**  
**Catalog # PBV11221r****Specification**

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**BRD1 bromodomain (556-680 aa) (GST-tagged), human recombinant protein - Product info**

Primary Accession [O95696](#)  
Calculated MW **41.1 kDa (556-680 aa + NT GST Tag) kDa**

**BRD1 bromodomain (556-680 aa) (GST-tagged), human recombinant protein - Additional Info**

Gene ID **23774**  
Gene Symbol **BRD1**  
**Other Names**  
Bromodomain containing 1, DKFZp686F0325, BR140-like protein, BRL, BRPF1, BRPF2, Bromodomain and PHD finger-containing protein 2  
  
Gene Source **Human**  
Source **E. coli**  
Assay&Purity **SDS-PAGE; ≥95%**  
Assay2&Purity2 **N/A;**  
Recombinant **Yes**  
**Target/Specificity**  
**BRD1**

**Format**  
Liquid

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

**BRD1 bromodomain (556-680 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](#)

**BRD1 bromodomain (556-680 aa) (GST-tagged), human recombinant protein - Images**

**BRD1 bromodomain (556-680 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. BRD1 is a bromodomain containing protein that has been identified as a susceptibility gene in neurological disorders, such as schizophrenia and bipolar affective disorder. This protein can be used for the study of bromodomain binding assays, screening inhibitors, and selectivity profiling.

**BRD1 bromodomain (556-680 aa) (GST-tagged), human recombinant protein - References**

McCullagh P., et al. *Oncogene* 18:7442-7452(1999).  
Collins J.E., et al. *Genome Biol.* 5:R84.1-R84.11(2004).  
Ota T., et al. *Nat. Genet.* 36:40-45(2004).  
Dunham I., et al. *Nature* 402:489-495(1999).  
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.