

BRD1 bromodomain (556-688 aa) (His-Tag), human recombinant

CATALOG #: 7405-100 100 µg

ALTERNATE NAMES: Bromodomain containing 1, DKFZp686F0325, BR140-like protein, BRL, BRPF1, BRPF2, Bromodomain & PHD finger-containing protein 2

SOURCE: E. coli

PURITY: > 95% by SDS-PAGE

MOL. WEIGHT: 17.8 kDa (156 aa, 556-688 aa + His Tag), confirmed by MALDI-TOF.

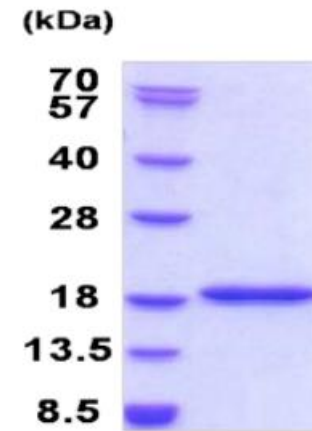
FORM: Liquid

FORMULATION: 0.5 mg/ml in Phosphate buffer saline (pH 7.4) containing 10% glycerol and 1mM DTT.

STORAGE CONDITIONS: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

DESCRIPTION: 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. Recombinant human BRD1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AMINO ACID SEQUENCE: MGSSHHHHHH SSSLVPRGSH MGSEQVAMEL
 RLTPPLTVLLR SVLDQLQDKD PARIFAQPVSL LKEVPDYLDH IKHPMDFATM
 RKRLEAQGYK NLHEFEEDFD LIIDNCMKYN ARDVFYRAA VRLRDQGGVV
 LRQARREVDS IGLEEASGMH LPERPA



15% SDS-PAGE (3ug)

BRD1, human recombinant

RELATED PRODUCTS:

- Recombinant Human BrdT (Cat. No. 7641-20, 100, -1000)
- Recombinant Human BRD4 (Cat. No. 7644-20, 100, -1000)
- Human recombinant BRD2 bromodomain 1 (Cat. No. 7646-20, 100)
- Human recombinant BRD2 bromodomains 1 and 2 (Cat. No. 7647-20, 100)
- Human recombinant BRD2 bromodomain 2 (Cat. No. 7648-20, 100)
- Human recombinant BRD9 bromodomain (Cat. No. 7649-20, 100)
- Human recombinant BRG1 bromodomain (Cat. No. 7650-20, 100)
- Bromodomain Inhibitor, (+)-JQ1 (Cat. No. 2070-1, -5)
- BRD8 Antibody (Cat. No. 3738-100)
- BRD8 Antibody (Cat. No. 3506-100)
- BRD8 Blocking Peptide (Cat. No. 3506BP-50)

FOR RESEARCH USE ONLY! Not to be used in humans.