

Recombinant Human BRD1, His&FLAG-tagged

Cat. No. BRD1-34H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human BRD1 corresponding to amino acids 556-688 that contains the bromodomain sequences of BRD1 (accession number NP_055392.1) was expressed in E. coli and contains an N-terminal His tag and C-terminal FLAG tag.

Species Human

Source E.coli

ProteinLength 556-688 a.a.

Description Bromodomain-containing protein 1 (BRD1) belongs to the BET subclass of proteins, which are characterized by two N-terminal bromodomains and one ET (Extra Terminal) domain. BRDs associate with chromatin through their bromodomains that recognize acetylated histone lysine residues. Bromodomains function as "readers" of these epigenetic histone marks and regulate chromatin structure and gene expression by linking associated proteins to the acetylated nucleosomal targets. The ET domain functions as a protein binding motif and exerts atypical serine-kinase activity. The BET family consists of several members that function in the regulation of transcriptional activation and chromatin remodeling.

Form 25 mM HEPES pH 7.5, 150 mM NaCl and 5% glycerol.

Molecular Mass 21.5 kDa

Applications Binding assays, inhibitor screening, and selectivity profiling.

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Storage Recombinant proteins in solution are temperature sensitive and must be stored at -80°C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage.

Concentration 6 mg/ml

GENE INFORMATION

Gene Name [BRD1 bromodomain containing 1 \[Homo sapiens \]](#)

Official Symbol BRD1

Synonyms BRD1; bromodomain containing 1; bromodomain-containing protein 1; BR140 like; BRL; BRPF2; BR140-like protein; bromodomain and PHD finger-containing protein 2; BRPF1; DKFZp686F0325;

Gene ID [23774](#)

mRNA Refseq [NM_014577](#)

Protein Refseq [NP_055392](#)

MIM [604589](#)

UniProt ID [O95696](#)

Chromosome Location 22q13.33

Function metal ion binding; zinc ion binding;

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