

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.
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Concentration	6 mg/ml
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GENE INFORMATION

Gene Name	BRD1 bromodomain containing 1 [Homo sapiens]
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Official Symbol	BRD1
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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;
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Gene ID	23774
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mRNA Refseq	NM_014577
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Protein Refseq	NP_055392
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MIM	604589
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UniProt ID	O95696
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Chromosome Location	22q13.33
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Function	metal ion binding; zinc ion binding;
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