

BRD1 recombinant protein

Recombinant BRD1 (556-688) protein

CATALOG #
AAA59683

HOST
E Coli

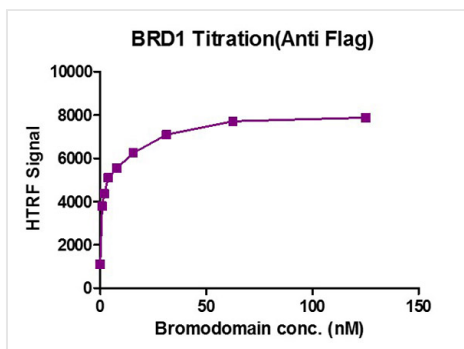
PRODUCT SYNONYMS

BRD1; Recombinant BRD1 (556-688) protein; BRL; BRPF1; BRPF2; BRD1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	The recombinant protein is >86% pure by SDS-PAGE.
Form/Format	Recombinant BRD1 (556-688) protein expressed in E Coli cells and supplied in 25mM Tris pH7.4, 150mM NaCl, 5% glycerol. Please refer to product insert upon arrival for lot-specific concentration.
Protein Species	Human
Tag	DYKDDDDK-Tag, His-Tag
Notes	Recombinant BRD1 (556-688) is suitable for use in binding assays, inhibitor screening, and selectivity profiling.
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80 degree C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage. Shipping Temp: Dry Ice

IMAGES



Application Data

HTRF Assay for Recombinant BRD1 (556-688) activity. 3.3 uM histone peptide H4K5/8/12/16 (4Ac) was incubated with BRD1 (556-688) protein in reaction buffer including 50 mM HEPES-NaOH pH 7.0, 0.1% BSA for 1 hour at room temperature. Anti-DYKDDDDK antibody was used to detect reaction products.



SDS-PAGE

Recombinant BRD1 (556-688) protein gel. BRD1 (556-688) protein was run on an SDS-PAGE gel and stained with Coomassie Blue.

ADDITIONAL INFORMATION

Related Product Information for BRD1 recombinant protein	Short Description: The peptide 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 DYKDDDDK tag with an observed molecular weight of 21.5 kDa. 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. Recombinant BRD1 (556-688) can be used in binding assays and inhibitor screening. Background: 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.
Product Categories/Family for BRD1 recombinant protein	Recombinant Proteins; Bromodomain

NCBI AND UNIPROT INFORMATION

NCBI GI #	11321641
NCBI GeneID	23774
NCBI Accession #	NP_055392.1
NCBI GenBank Nucleotide #	NM_014577
Molecular Weight	133,243 Da
NCBI Official Synonym Full Names	bromodomain containing 1
NCBI Official Symbol	BRD1
NCBI Official Synonym Symbols	BRL; BRPF1; BRPF2
NCBI Protein Information	bromodomain-containing protein 1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/brd1-recombinant-protein-e-coli/59683>