

Datasheet for ABIN7319875

**BRD4 Protein****1** Image[Go to Product page](#)

## Overview

|               |                            |
|---------------|----------------------------|
| Quantity:     | 50 µg                      |
| Target:       | BRD4                       |
| Origin:       | Human                      |
| Source:       | Escherichia coli (E. coli) |
| Protein Type: | Recombinant                |

## Product Details

|                  |   |
|------------------|---|
| Purpose:         | Recombinant Human BRD4 (N-10His-Flag)   |
| Sequence:        | Glu49-Glu460  |
| Characteristics: | Recombinant Human Bromodomain-containing protein 4 is produced by our E.coli expression system and the target gene encoding Glu49-Glu460 is expressed with a 10His, Flag tag at the N-terminus. |
| Purity:          | >95 % as determined by reducing SDS-PAGE.   |
| Endotoxin Level: | < 1.0 EU per µg as determined by the LAL method.  |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | BRD4   |
| Alternative Name: | BRD4 ( <a href="#">BRD4 Products</a> )   |
| Background:       | Background: Bromodomain-containing protein 4 (BRD4) is a member of the BET class chromatin reader proteins that bind acetylated histones and play a key role in transcriptional regulation and transmission of epigenetic memory. Remains associated with acetylated |

## Target Details

chromatin throughout the entire cell cycle and provides epigenetic memory for postmitotic G1 gene transcription by preserving acetylated chromatin status and maintaining high-order chromatin structure. BRD bromodomains serve as recognition motifs for acetylated lysine residues on histones, while the NET domain may function by promoting phosphorylation of the C-terminal domain (CTD) of RNA Polymerase II. Some specific inhibitors of BRD4 that prevent binding to acetylated histones by binding Asn-140 and Asn-433 are promising therapeutic molecules for the treatment of leukemias. BRD4 is a potential therapeutic target in many diseases including breast cancer, AML, multiple myeloma, colon cancer and others.

Synonym: HUNK1, HUNK1bromodomain-containing protein 4, HUNKI, MCAP

Molecular Weight: 49 kDa

UniProt: [O60885](#)

Pathways: [Chromatin Binding](#), [SARS-CoV-2 Protein Interactome](#)

## Application Details

Restrictions: For Research Use only

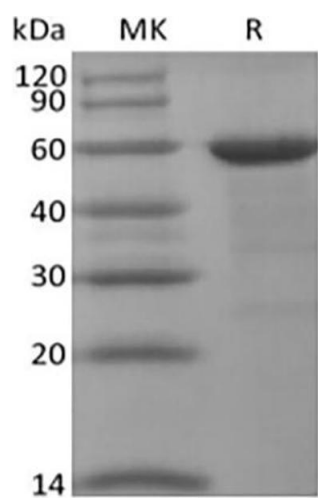
## Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 50 mM HEPES, 200 mM NaCl, 1 mM DTT, 10 % Glycerol, pH 7.5.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.



Western Blotting

Image 1.