



[Go to Product page](#)

Datasheet for ABIN2669647

BRD9 Protein (AA 130-259) (His tag,DYKDDDDK Tag)

2 Images

Overview

Quantity:	100 µg
Target:	BRD9
Protein Characteristics:	AA 130-259
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This BRD9 protein is labelled with His tag,DYKDDDDK Tag.
Application:	Binding Studies (Bind), Screening Assay (ScA)

Product Details

Characteristics: The peptide corresponding to amino acids 130 - 259 that contains the bromodomain sequences of BRD9 (accession number NM_023924.4) was expressed in E. coli and contains an N-terminal His tag and C-terminal FLAG tag with an observed molecular weight of 20.9 kDa.

Target Details

Target:	BRD9
Alternative Name:	BRD9 (BRD9 Products)
Background:	Bromodomain-containing protein 9 (BRD9) 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

Target Details

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 at least four members in mouse and human, BRD2 (also referred to as FSRG1, RING3), BRD3 (FSRG2, ORFX), BRD4 (FSRG4, MCAP/HUNK1), and BRDT (FSRG3, BRD6) that function in the regulation of transcriptional activation and chromatin remodeling. There are five isoforms of BRD9 that are produced by alternative splicing.

Molecular Weight: 20.9 kDa

Application Details

Application Notes: Recombinant BRD9 (130-259) is suitable for use in binding assays, inhibitor screening, and selectivity profiling.

Restrictions: For Research Use only

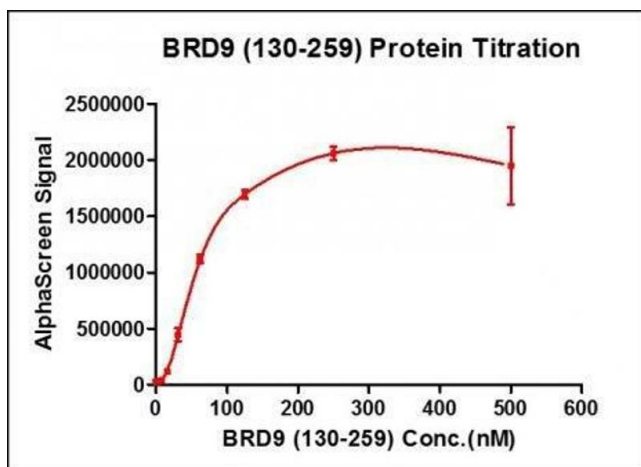
Handling

Handling Advice: Avoid repeated freeze/thaw cycles and keep on ice when not in storage.

Storage: -80 °C

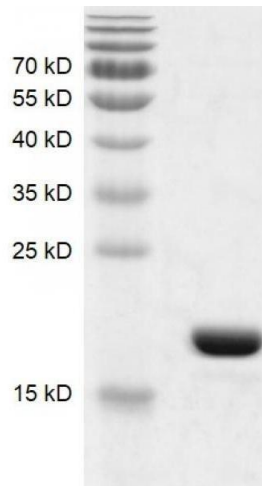
Storage Comment: Recombinant proteins in solution are temperature sensitive and must be stored at -80°C to prevent degradation.

Images



Activity Assay

Image 1. Recombinant BRD9 (130-259) activity using AlphaScreen. BRD9 (130-259) titration and inhibition were assessed using an AlphaScreen® assay. Titration curves were generated to show signal response in the presence of modified peptide substrate at increasing protein concentrations. An IC₅₀ dose response assessment of reference compound Bromosporine is also shown. This data was generated and kindly provided courtesy of ChemPartner.



Western Blotting

Image 2. Recombinant BRD9 (130-259) protein gel. BRD9 (130-259) protein was run on a 10% SDS-PAGE gel and stained with Coomassie blue.