

# Product Information



## WDR9 bromodomain 2 (human recombinant)

Item No. 11549 • Batch No. XXXXXX

**Synonyms:** BRD and WD repeat-containing protein 1, WD repeat-containing protein 9  
**Source:** Recombinant N-terminal GST-tagged protein expressed in *E. coli*  
**Amino Acids:** 1,310-1,426 (partial protein)  
**Genbank Accession No.:** EAX09660  
**M<sub>r</sub>:** 40.3 kDa  
**Purity:** ≥85%  
**Stability:** ≥1 year at -80°C; avoid freeze/thaw cycles by aliquoting protein.  
**Supplied in:** 50 mM Tris, pH 7.5, containing 500 mM sodium chloride, 5% glycerol, and 5 mM β-mercaptoethanol

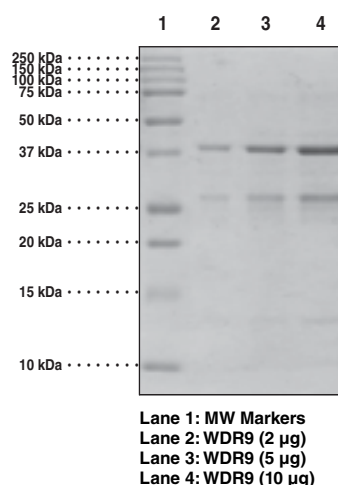
**Protein Concentration:** *batch specific* mg/ml

The acetylation of histone lysine residues plays a crucial role in the epigenetic regulation of gene transcription. Acetylated lysine residues are recognized by a small protein domain known as a bromodomain.<sup>1</sup> These domains function in the linking of protein complexes to acetylated nucleosomes, thereby controlling chromatin structure and gene expression. Thus, bromodomains serve as “readers” of histone acetylation marks regulating the transcription of target promoters.<sup>2</sup>

WDR9 possesses two bromodomain motifs and eight WD repeats. WDR9 is also known to interact with BRG1 (SMARCA4). This product contains the bromodomain 2 region of WDR9.<sup>2</sup>

### References

1. Mujtaba, S., Zeng, L., and Zhou, M.-M. Structure and acetyl-lysine recognition of the bromodomain. *Oncogene* **26**, 5521-5527 (2011).
2. Muller, S., Filippakopoulos, P., and Knapp, S. Bromodomains as therapeutic targets. *Expert Rev. Mol. Med.* **13**, 1-21 (2011).



### Related Products

For a list of related products please visit: [www.caymanchem.com/catalog/11549](http://www.caymanchem.com/catalog/11549)

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#### MATERIAL SAFETY DATA

This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Material Safety Data Sheet, which has been sent via email to your institution.

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