

## Recombinant Human BRWD1, GST-tagged

Cat. No. BRWD1-167H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human WRD9 bromodomain 2 (1310-1426 aa) fused to a GST tag
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1310-1426 a.a.
<b>Description</b>	<p>The acetylation of histone lysine residues plays a crucial role in the epigenetic regulation of gene transcription. A bromodomain is a protein domain that recognizes acetylated lysine residues such as those on the N-terminal tails of histones. This recognition is often a prerequisite for protein-histone association and chromatin remodeling. 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. 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.</p>
<b>Form</b>	Liquid. 50 mM Tris, pH 7.5, containing 500 mM sodium chloride, 5% glycerol, and 5 mM β-mercaptoethanol.
<b>Molecular Mass</b>	40.3 kDa (1310-1426 aa + GST Tag)
<b>Purity</b>	≥85%

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**Storage** Store at -80°C. Avoid repeated freeze and thaw cycles. Stable for 1 year.

## GENE INFORMATION

**Gene Name** BRWD1 bromodomain and WD repeat domain containing 1 [ Homo sapiens ]

**Official Symbol** BRWD1

**Synonyms** BRWD1; bromodomain and WD repeat domain containing 1; C21orf107, chromosome 21 open reading frame 107 , WD repeat domain 9 , WDR9; bromodomain and WD repeat-containing protein 1; FLJ11315; N143; transcriptional unit N143; WD repeat protein WDR9-form2; WD repeat-containing protein 9; WDR9; C21orf107; FLJ43918;

**Gene ID** 54014

**mRNA Refseq** NM\_001007246

**Protein Refseq** NP\_001007247

**UniProt ID** Q9NSI6

**Chromosome Location** 21q22.2

**Function** molecular\_function;

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