

Recombinant Human BRWD1, His&FLAG-tagged

Cat. No. BRWD1-38H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human BRWD1 corresponding to amino acids 1310-1430 that contains the bromodomain sequences of BRWD1 (accession number NP_061836.2) was expressed in E. coli and contains an N-terminal His tag and C-terminal FLAG tag.

Species Human

Source E.coli

ProteinLength 1310-1430 a.a.

Description Bromodomain and WD repeat domain containing 1 (BRWD1), also known as WDR9 is a member of the WD repeat protein family. WD repeats are minimally conserved regions of approximately 40 amino acids typically bracketed by gly-his and trp-asp (GH-WD) residues which may facilitate formation of heterotrimeric or multiprotein complexes. Members of this family are involved in a variety of cellular processes including cell cycle progression, signal transduction, apoptosis, and gene regulation. This protein contains 2 bromodomains and multiple WD repeats. The bromodomain functions as a "reader" of epigenetic histone marks and regulates chromatin structure and gene expression by linking associated proteins to the recognized acetylated nucleosomal targets. In mouse, this BRWD1 is a nuclear protein that has a polyglutamine-containing region that functions as a transcriptional activation domain. This domain associates with a component of the SWI/SNF chromatin remodeling complex and may function to regulate chromatin remodeling. BRWD1 plays a role in the regulation of cell morphology and cytoskeletal organization and is also required in

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	the control of cell shape.
Form	25 mM HEPES pH 7.5, 150 mM NaCl and 5% glycerol.
Molecular Mass	18.97 kDa
Applications	Binding assays, inhibitor screening, and selectivity profiling.
Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80°C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage.
Concentration	9 mg/ml
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

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UniProt ID	Q9NSI6
Chromosome Location	21q22.2
Function	molecular_function;

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