

Recombinant Human BRWD3, His&FLAG-tagged

Cat. No. BRWD3-39H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human BRWD3 corresponding to amino acids 1295-1443 that contains the bromodomain sequences of BRWD3 (accession number NP_694984.4) was expressed in E. coli and contains an N-terminal His tag and C-terminal FLAG tag.
Species	Human
Source	E.coli
ProteinLength	1295-1443 a.a.
Description	Bromodomain and WD repeat domain containing 3 (BRWD3) 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-aspartic acid (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 a bromodomain 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. Mutations in BRWD3 cause mental retardation X-linked type 93, which is also referred to as mental retardation X-linked with macrocephaly. This gene is also associated with translocations in patients with B-cell chronic lymphocytic leukemia (B-CLL).
Form	25 mM HEPES pH 7.5, 150 mM NaCl and 5% glycerol.

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Molecular Mass	23.37 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	2.9 mg/ml

GENE INFORMATION

Gene Name	BRWD3 bromodomain and WD repeat domain containing 3 [Homo sapiens]
Official Symbol	BRWD3
Synonyms	BRWD3; bromodomain and WD repeat domain containing 3; bromodomain and WD repeat-containing protein 3; FLJ38568; MRX93; novel WD repeat domain protein; bromo domain-containing protein disrupted in leukemia; BRODL; FLJ33254;
Gene ID	254065
mRNA Refseq	NM_153252
Protein Refseq	NP_694984
MIM	300553
UniProt ID	Q6RI45
Chromosome Location	Xq21.1

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