

Recombinant Human BRD2

Cat. No. BRD2-27674TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human BRD2 (amino acids 167-256) with N terminal proprietary tag; Predicted MWt 35.53 kDa including the tag.
Species	Human
Source	Wheat Germ
ProteinLength	90 amino acids
Description	This gene encodes a transcriptional regulator that belongs to the BET (bromodomains and extra terminal domain) family of proteins. This protein associates with transcription complexes and with acetylated chromatin during mitosis, and it selectively binds to the acetylated lysine-12 residue of histone H4 via its two bromodomains. The gene maps to the major histocompatibility complex (MHC) class II region on chromosome 6p21.3, but sequence comparison suggests that the protein is not involved in the immune response. This gene has been implicated in juvenile myoclonic epilepsy, a common form of epilepsy that becomes apparent in adolescence. Multiple alternatively spliced variants have been described for this gene.
Molecular Weight	35.530kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.3% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	QTLEKIFLQKVASMPQEEQELVVTIPKNSHKKGAKLAALQGSVTSAHQVPAVSSVSH TALYTTPPEIPTTVLNIPHPSVISSPLLKSLHS
Sequence Similarities	Contains 2 bromo domains.Contains 1 ET domain.

GENE INFORMATION

Gene Name	BRD2 bromodomain containing 2 [Homo sapiens]
Official Symbol	BRD2
Synonyms	BRD2; bromodomain containing 2; bromodomain-containing protein 2; D6S113E; FSRG1; KIAA9001; NAT; RING3;
Gene ID	6046
mRNA Refseq	NM_005104
Protein Refseq	NP_005095
MIM	601540
Uniprot ID	P25440
Chromosome Location	6p21.3

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Pathway	Regulation of retinoblastoma protein, organism-specific biosystem;
Function	protein serine/threonine kinase activity;