

# Recombinant Human BRD2 Protein, His-tagged

**Cat. No.** BRD2-01H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human recombinant BRD2, bromodomain-2 (residues 344-454) expressed in E. coli with an N-terminal His-tag.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | 344-454 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | 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. |
| <b>Molecular Mass</b>   | 15.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>           | > 80% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Storage</b>          | At -80 centigrade, aliquot and snap-freeze after first use.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

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**Storage Buffer**

Solution of purified recombinant protein in 20 mM Tris pH 7.5, 150 mM NaCl, 1.0 mM TCEP, 10% glycerol (v/v) as determined by OD280

**GENE INFORMATION**
**Gene Name**

BRD2 bromodomain containing 2 [ Homo sapiens (human) ]

**Official Symbol**

BRD2

**Synonyms**

BRD2; bromodomain containing 2; FSH; NAT; RNF3; FSRG1; RING3; D6S113E; O27.1.1; BRD2-IT1; bromodomain-containing protein 2; BRD2 intronic transcript 1; female sterile homeotic-related gene 1; really interesting new gene 3 protein

**Gene ID**

6046

**mRNA Refseq**

NM\_005104

**Protein Refseq**

NP\_005095

**MIM**

601540

**UniProt ID**

P25440

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