

Recombinant Full Length Human BRD2 Protein, GST-tagged

Cat. No. BRD2-3784HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human BRD2 full-length ORF (NP_005095.1, 1 a.a. - 801 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	801 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, but the full-length nature of some of these variants has not been determined.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	114.5 kDa
AA Sequence	MLQNVTPHNKLPGEAGNAGLLGLGPEAAAPGKRIRKPSLLYEGFESPTMASVPALQL

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TPANPPPPEVSNPKKPGRVTNQLQYLHKVVMKALWKHQFAWPFRQPVDVAVKLGLP
 DYHKIIKQPMDMGTIKRRLNNYYWAASECMQDFNTMFTNCYIYNKPTDDIVLMAQT
 LEKIFLQKVASMPQEEQELVVTIPKNSHKKGAKLAALQGSVTSAHQVPAVSSVSHTA
 LYTPPPEIPTTVLNIPHPVSVISSPLLKSLHSAGPPLLAVTAAPPAQPLAKKKGVKRKAD
 TTTPTPTAILAPGSPASPPGSLEPKAARLPPMRRESGRPIKPPRKDLPDSQQQHQS
 KKGKLSEQLKHCNGILKELLSKKHAAAYAWPFYKPVDSALGLHDYHDIKHPMDLSTV
 KRKMENRDYRDAQEFAADVRLMFSNCYKYNPPDHDVVAMARKLQDVFEFRYAKM
 PDEPLEPGPLPVSTAMPPLAKSSSESSSESSSESSSESSSESSSESSSESSSESSSESS
 SDSEEEERAHRLAELQEQLRAVHEQLAALSQGPISKPKRKREKKEKKKKRKAEKHRG
 RAGADEDDKGPRAPRPPQPKSKKASGSGGSAALGPSGFGPSGGSGTKLPKKA
 TKTAPPALPTGYDSEEEEEESRPMSEYDEKRQLSLDINKLPGEKLGRVVHIIQAREPSLR
 DSNPEEIEIDFETLKPSTLRELERYVLSCLRKKPRKPYTIKKPVGKTKEELALEKKREL
 EKRLQDVSGQLNSTKKPPKKANEKTESSSAQQVAVSRLSASSSSSDSSSSSSSSSS
 SDTSDSDSG

Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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; O27.1.1; bromodomain-containing 2; really interesting new gene 3 protein; female sterile homeotic-related gene 1; FSH; RNF3;

FLJ31942; DKFZp686N0336;

Gene ID 6046**mRNA Refseq** NM_001113182**Protein Refseq** NP_001106653**MIM** 601540**UniProt ID** P25440 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA