

Recombinant Human BRD2 Protein, GST-tagged

Cat. No. BRD2-329H **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	Wheat Germ
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	MLQNVTPHNKLPGEKNAGLLGLGPEAAAPGKRIRKPSLLYEGFESPTMASVPALQL TPANPPPPEVSNPKKPGRVNQLQYLHKVVMKALWKHQFAWPFRQPVDVAVKLGLP DYHKIIKQPMMDMGTIKRRLENNYYWAASECMQDFNTMFTNCYIYNKPTDDIVLMAQT

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LEKIFLQKVASMPQEEQELVVTIPKNSHKKGAKLAALQGSVTSAHQVPAVSSVSHTA
 LYTPPPEIPTTVLNIPHPSVISSPLLKSLHSAGPPLLAVTAAPPAQPLAKKKGVKRKAD
 TTTPTPTAILAPGSPASPPGSLEPKAARLPPMRRESGRPIKPPRKDLPDSQQQHQS
 KKGKLSEQLKHCNGILKELLSKKHAAAYAWPFYKPVDAALGLHDYHDIKHPMDLSTV
 KRKMENRDYRDAQEFAADVRLMFSNCYKYNPPDHDVVAMARKLQDVFEFRYAKM
 PDEPLEPGPLPVSTAMPPGLAKSSSESSESSSESSESSSESSSESSSESSSESSSESS
 SDSEEEERAHRLAELQEQLRAVHEQLAALSQGPISKPKRKREKKEKKKKRKAEKHRG
 RAGADEDDKGPAPRPPQPKKSKKASGSGGSAALGPSGFGPSGGSGTKLPKKA
 TKTAPPALPTGYDSEEEEEESRPMYSYDEKRQLSLDINKLPGEKLGRVVHIIQAREPSLR
 DSNPEEIEIDFETLKPSTLRELERYVLSCLRKKPRKPYTIKKPVGKTKEELALEKKREL
 EKRLQDVSGQLNSTKKPPKKANEKTESSSAQQVAVSRLSASSSSSDSSSSSSSSSS
 SDTSDSDSG

Quality Control Test	12.5% SDS-PAGE Stained with Coomassie Blue.
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
	