

BRD2, 1-455aa Human, His tag, E.coli

Cat.NO.: TP01366

3th Edition

Synonyms:Bromodomain containing 2, D6S113E, FSH, FSRG1, NAT, RING3, RNF3

Description:BRD2 is 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. Recombinant human BRD2 protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form:Liquid. In Phosphate buffered saline (pH7.4) containing, 10% glycerol, 1mM DTT

Molecular Weight:52.8kDa (478aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSMQLQNVTPHNKLPGEGNAGLLGLGPEAAAPGKRIRKPSLLYEGFESPTMASV
PALQLTPANPPPPEVSNPKKPGRVTNQLQYLHKVVMKALWKHQFAWPFRQPVDVAVKLGLPDYHKIIKQPMDMGTI
KRRLENNYYWAASECMQDFNTMFTNCYIYNKPTDDIVLMAQTLEKIFLQKVASMPQEEQELVVTIPKNSHKKGAKL
AALQGSVTSAHQVPAVSSVSHTALYTPPEIPTTVLNIPHPSVISSPLLKSLHSAGPPLLAVTAAPPAQPLAKKKGVK
RKADTTTPTPTAILAPGSPASPPGSLEPKAARLPPMRRESGRPIKPPRKDLPDSQQQHQSCKGKLSEQLKHCNGI
LKELLSKKHAAYAWPFYKPVDAALGLHDYHDIKHPMDLSTVKKRMENRDYRDAQEFAADVRLMFSNCYKYNPPD
HDVVAMARKLQDVFEFRYAKMPD

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.