
Product Data Sheet

Product Name: BRD2 Human

Cat. No.: GP22896

Batch No.: 1

Product Data

Purity >98%

Source Escherichia Coli.

Physical
Appearance solidShipping
Condition Shipped with Ice Packs.

Synonyms Bromodomain Containing 2; RING3; Really Interesting NewGene 3 Protein; Bromodomain-Containing 2; O27.1.1; FSRG1; Female Sterile Homeotic-RelatedGene 1; Bromodomain-Containing Protein 2; KIAA9001; D6S113E; RNF3; FSH; NAT; Bromodomain-containing protein 2 .

Amino Acid
Sequence
 MGSSHHHHHH SSGLVPRGSH MGSMLQNVTP HNKLPGEGNA GLLGLGPEAA
 APGKRIRKPS LLYEGFESPTMASVPALQLT PANPPPPEVS NPKKPGRVTN
 QLQYLHKVVM KALWKHQFAW PFRQPVDAVK LGLPDYHKIIKQPMDMGTIK
 RRLENNYYWA ASECMQDFNT MFTNCYIYNKPTDDIVLMAQ TLEKIFLQKV
 ASMPQEEQEL VVTIPKNSHK KGAKLAALQGSV TSAHQVPA VSSVSHTALY
 TPPPEIPTTV LNIPHPSVIS SPLKSLHSA GPPLAVTAA
 PPAQPLAKKKGVKRKADTTT PTPTAILAPG SPASPPGSLE PKAARLPPMR
 RESGRPIKPP RKDLPDSQQQHQSCKGKLS EQLKHCNGIL KELLSSKHAA
 YAWPFYKPVD ASALGLHDYHDIHKHPMDLS TVKRKMENRD YRDAQEFAAD
 VRLMFSNCYK YNPPDHDVVA MARKLQDVFE FRYAKMPD.

Formulation BRD2 protein solution (1mg/ml) containing Phosphatebuffered saline (pH7.4), 10% glycerol and 1mM DTT.

Introduction

Bromodomain Containing 2, also known as BRD2 is a transcriptionalregulator which is a member of the BET, bromodomains and extra terminal domain, family ofroteins. BRD2 links with transcription complexes and it acetylated chromatin inthe course of mitosis, and it selectively binds o the acetylated lysine-12 residue ofhistone H4 through its two romodomains. BRD2 maps to the majorhistocompatibility complex MHC) class IIregion on chromosome 6p21.3, however sequence comparisonadvocate that the protein is not implicated in the immune response. BRD2has been implicated in juvenilemyoclonic

Caution: Product has not been fully validated for medical applications. For research use only.

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epilepsy, a common form of epilepsy which grows to be visible in adolescence.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

BRD2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 478 amino acids (1-455 a.a) and having a molecular mass of 52.8kDa. BRD2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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