

Recombinant Human BRD4 Protein (44-460), N-His tagged

Cat. No. BRD4-05H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human recombinant BRD4, tandem construct comprising bromodomains 1 and 2 (residues 44-460; Genbank Accession # NM_058243; MW = 49.7 kDa) expressed in E. coli with an N-terminal His-tag.
Species	Human
Source	E.coli
ProteinLength	44-460
Description	The protein encoded by this gene is homologous to the murine protein MCAP, which associates with chromosomes during mitosis, and to the human RING3 protein, a serine/threonine kinase. Each of these proteins contains two bromodomains, a conserved sequence motif which may be involved in chromatin targeting. This gene has been implicated as the chromosome 19 target of translocation t(15;19)(q13;p13.1), which defines an upper respiratory tract carcinoma in young people. Two alternatively spliced transcript variants have been described.
Molecular Mass	49.7 kDa
Purity	> 90% by SDS-PAGE
Storage	At -80 centigrade, aliquot and snap-freeze after first use.
Storage Buffer	Solution of purified recombinant protein in 50 mM Tris/HCl, pH 7.5, 500 mM NaCl, 1.0

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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mM TCEP, 10% glycerol (v/v)

GENE INFORMATION

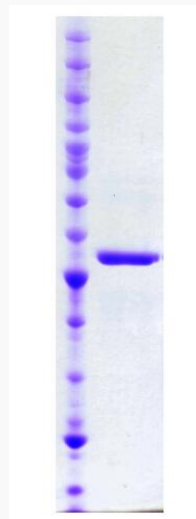
Gene Name	BRD4 bromodomain containing 4 [Homo sapiens (human)]
Official Symbol	BRD4
Synonyms	BRD4; bromodomain containing 4; CAP; MCAP; HUNK1; HUNKI; FSHRG4; bromodomain-containing protein 4; chromosome-associated protein; female sterile homeotic related gene 4; mitotic chromosome-associated protein; EC 3.1.1.31
Gene ID	23476
mRNA Refseq	NM_058243
Protein Refseq	NP_490597
MIM	608749
UniProt ID	O60885

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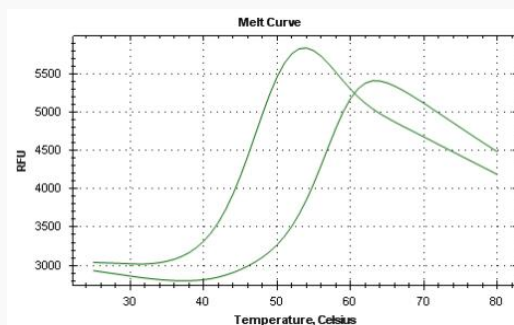
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**Stained SDS-PAGE
(4-12% acrylamide)
of 4 µg of RBC
BRD4-Tndm (His).**



MW markers (left lane) are, from top, 220, 160, 120, 100, 90, 80, 70, 60, 50, 40, 30, 25, 20, 15, 10 kDa.

**Differential Scanning
Fluorimetry of RBC
BRD4-Tndm (His) in
Presence or Absence
of (+)-JQ1.**



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