

**Product Name:** BRD4-BD1+BD2 (49-463)

**Alternate Names:** HUNK1

**Product Code:** TAP-070

**FOR RESEARCH USE ONLY (RUO)**

**Verified Applications / Usage**

BRD4-BD1+BD2 (49-463) is active in ternary complex formation assays using recombinant CRBN / DDB1 and the degrader molecule dBET-1.

**Physical Characteristics**

**Species:** Human

**Predicted MW (kDa):** 49 kDa

**Source:** *E. coli* BL21(DE3) A.I.

**Purity:** 95 %

**Tag:** N-AVI (Biotinylated)

**Formulation:** 40 mM HEPES, 100 mM NaCl, 10% Glycerol, 1 mM EDTA, 1 mM TCEP, pH 7.6

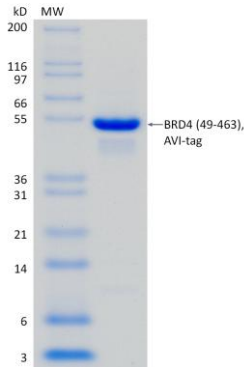
**Shipping:** The product is shipped with dry ice. Upon receipt, store it immediately at the temperature recommended below.

**Stability/Storage:** Use a manual defrost freezer and avoid repeated freeze-thaw cycles. Aliquot and store  $\leq -70^{\circ}\text{C}$  (stable for 24 months from date of receipt).

## Quality Assurance

### Purity & SDS-PAGE

**Protein ID:** Bromodomain-containing protein 4



2 µg BRD4-BD1+BD2 (49-463) run on 4-12% SDS-PAGE gel under reducing conditions, then visualized with Colloidal Coomassie Blue Stain.

### Activity Assay

Verified in Ternary Complex Assay.

## Background

### Description

Recombinant human BRD4-BD1+BD2 (49-463) is an N-terminal AVI-tagged (biotinylated) protein containing both bromodomains (1 & 2) of Bromodomain-containing protein 4. This protein is useful in many *in vitro* applications, including proximity and ubiquitylation assays, SPR and other biophysical assays.

**Accession Number:** O60885

**Entrez Gene ID:** BRD4

## Protein Sequence

```
SFGLNDIFEAQKIEWHEGSETSNPNKPKRQTNQLQYLLRVVLKTLWKHQFAWPFQQPVDAVKL
NLPDYKIKIKTPMDMGTIKKRLNENYWNQAQECIQDFNTMFTNCYIYNKPGDDIVLMAEALEK
LFLQKINELPTEETEIMIVQAKGRGRGRKETGTAKPGVSTVPNTTQASTPPQTQTPQPNPPP
VQATPHPPFAVTPDLIVQTPVMTVPPQPLQTPPPVPPQPPPPAPAPQPVQSHPIIAATPQP
VKTKKGVKRRKADTTTPTTIDPIHEPPSLPPEPKTTKLGQRRESSRPVKPPKDVDPDSQQHPAP
EKSSKVSEQLKCCSGILKEMFAKKHAAYAWPFYKPV DVEALGLHDYCDIIKHPMDMSTIKSKL
EAREYRDAQEFGADVRLMFSNCYKYNPPDHEVVAMARKLQDVFEMRFAKMPDEPEE
```