

PRODUCT INFORMATION

Target BRD4

Synonyms CAP;HUNK1;HUNKI;MCAP

Recombinant human BRD4 protein with C-**Description**

terminal human Fc tag

Delivery In Stock **Uniprot ID** 060885 **Expression Host HEK293**

Tag C-Human Fc Tag

Molecular

BRD4(Met1-Phe1362) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of **Molecular Weight** 178.4 kDa after removal of the signal peptide.

The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before Formulation &

lyophilization. Please see Certificate of Analysis Reconstitution for specific instructions of reconstitution.

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

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

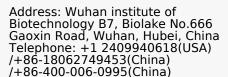
bromodomains, a conserved sequence motif which may be involved in chromatin targeting. **Background**

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. [provided by RefSeq, Jul 2008]

Usage Research use only

Unconjugated Conjugate

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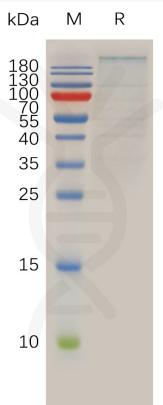


Figure 1. Human BRD4 Protein, hFc Tag on SDS-PAGE under reducing condition.

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Li, T., Zong, Q., Dong, H., Ullah, I., Pan, Z., & Yuan, Y. (2025). Non-invasive in vivo monitoring of PROTAC-mediated protein degradation using an environment-sensitive reporter. Nature communications, 16(1), 1892. https://doi.org/10.1038/s41467-025-57191-0 (PubMed)

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