

## Recombinant Human BRD4 protein, GST-tagged

**Cat. No.** BRD4-4832H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human BRD4 protein(accession number NP_490597.1)(333-460 aa) was expressed in E.coli and contains an N-terminal GST Tag.                                                                                                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | 333-460 aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Form</b>             | Supplied in 25 mM Tris pH 8.0, 300 mM NaCl, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Bio-activity</b>     | 1 $\mu$ M H4K5/8/12/16(ac4) peptide was incubated with different concentrations of BRD4 (333-460), GST-Tag protein in a 10 $\mu$ l binding system containing 50 mM HEPES-NaOH pH 7.4, 0.1% BSA for 1 hour, then 10 $\mu$ l GST antibody and SA-XL665 mixture (each 1:100 dilution in Binding Buffer) were added to each reaction system and incubated for 30 min. All the operations and reactions were performed at room temperature. HTRF assay was used for detection. |
| <b>Molecular Mass</b>   | 41.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Purity</b>           | >91%                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Storage</b>          | Recombinant proteins in solution are temperature sensitive and must be stored at -80°C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage.                                                                                                                                                                                                                                                                                     |

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**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

**Gene Name** BRD4 bromodomain containing 4 [ Homo sapiens ]

**Official Symbol** BRD4

**Synonyms** BRD4; bromodomain containing 4; bromodomain-containing protein 4; CAP; chromosome associated protein; HUNK1; HUNKI; MCAP; bromodomain-containing 4; chromosome-associated protein;

**Gene ID** 23476

**mRNA Refseq** NM\_014299

**Protein Refseq** NP\_055114

**MIM** 608749

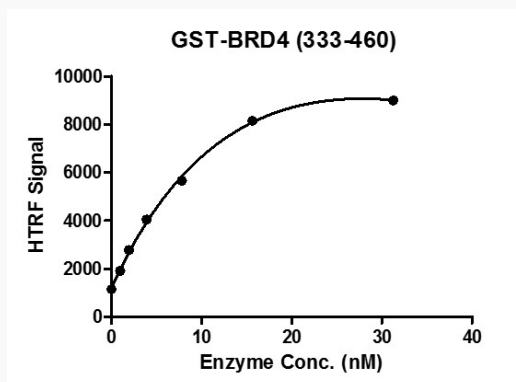
**UniProt ID** O60885

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## Activity



## SDS-PAGE

