BRD4 (49-460), His10 tag, FLAG tag, human recombinant  
Cat. # SP-600

Bromodomain-containing protein 4 (BRD4) is a member of the BET class chromatin reader proteins that bind acetylated histones and play a key role in transcriptional regulation and transmission of epigenetic memory. BRD4 has two N-terminal bromodomains and one NET (N-terminal Extra Terminal) domain. BRD bromodomains serve as recognition motifs for acetylated lysine residues on histones, while the NET domain may function by promoting phosphorylation of the C-terminal domain (CTD) of RNA polymerase II. BRD4 is a potential therapeutic target in many diseases including breast cancer, AML, multiple myeloma, colon cancer and others. This recombinant protein contains an N-terminal portion of BRD4 including both bromodomains and contains both His10 and FLAG tags at the N-terminus. This protein is useful as a substrate in in vitro assays using recombinant E3 Ubiquitin ligases and small molecule degraders.

Product Information

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Quantity:</td>
<td>100 µg</td>
</tr>
<tr>
<td>Stock:</td>
<td>X mg/ml (X µM) in 50 mM HEPES pH 7.5, 200 mM NaCl, 10% (v/v) Glycerol, 1 mM DTT</td>
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<tr>
<td>MW:</td>
<td>52 kDa</td>
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<tr>
<td>Purity:</td>
<td>&gt; 95% by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie Blue Stain.</td>
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Use & Storage

Use:
Concentrations for in vitro assays will depend on experimental conditions and detection methods.

Storage: Store at -80°C

Literature

References:

For Laboratory Research Use Only, Not For Use in Humans

Rev: 10/2/2019