

**HUNK1, MCAP**  
**Catalog # PVGS1348****Specification**

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**HUNK1, MCAP - Product Information**

Primary Accession

[NM\\_207189](#)**Species**

Human

**Sequence**MHHHHHHTKK NGRLTNQLQY LQKVVLKDLW KHSFSWPFQR PVDVAVKLQLP DYYTIKNPM DLNTIKKRLE  
NKYYAKASEC IEDFNTMFSN CYLYNKP GDD IVLMAQALEK LFMQKLSQMP QEEQ**Purity**

&gt; 95% by SDS-PAGE and HPLC analysis.

**Endotoxin Level**

&lt; 1 EU/ µg, determined by LAL method.

Formulation

**Sterile liquid solution contains 25 mM  
HEPES, pH 7.5, 150 mM NaCl, 5% glycerol,  
0.5 mM TCEP. Frozen solution.****HUNK1, MCAP - Additional Information****Target Background**

**Bromodomain (BRD)** is an extensive family of protein domains, originally identified in and named after the *Drosophila* protein Brahma. Members of BRD family share a conserved atypical left-handed four helix bundle structure, and specifically bind to ε-lysine acetylated proteins. It is well known that histone acetylation and methylation play a central role in epigenetics and are important for various gene transcription events, thus the acetyl-lysine binding property of BRDs make them suitable drug targets for epigenetics. Currently, there are 46 diverse human proteins containing 61 BRDs. These include histone acetyltransferases, ATP-dependent chromatin-remodeling complex proteins, and nuclear scaffold proteins. The main functions of BRDs in vivo include chromatin acetylation and deacetylation, nucleosome assembly and remodeling, and organizations of chromosome or chromatin domains.

Recombinant **human BRDT (22-138)** with His tag produced in *E.coli* is a single, non-glycosylated polypeptide chain containing 124 amino acids. A fully biologically active molecule, BRDT (22-138) has a molecular mass of 14.9 kDa analyzed by reducing SDS-PAGE and is obtained by proprietary chromatographic techniques at .

**HUNK1, MCAP - Protein Information****HUNK1, MCAP - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## **HUNK1, MCAP - Images**