

**HES1 Blocking Peptide (C-term)**  
**Synthetic peptide**  
**Catalog # BP21428b****Specification**

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**HES1 Blocking Peptide (C-term) - Product Information**Primary Accession [Q14469](#)**HES1 Blocking Peptide (C-term) - Additional Information****Gene ID** 3280**Other Names**

Transcription factor HES-1, Class B basic helix-loop-helix protein 39, bHLHb39, Hairy and enhancer of split 1, Hairy homolog, Hairy-like protein, hHL, HES1, BHLHB39, HL, HRY

**Target/Specificity**

The synthetic peptide sequence is selected from aa 203-216 of HUMAN HES1

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**HES1 Blocking Peptide (C-term) - Protein Information****Name** HES1**Synonyms** BHLHB39, HL, HRY**Function**

Transcriptional repressor of genes that require a bHLH protein for their transcription. May act as a negative regulator of myogenesis by inhibiting the functions of MYOD1 and ASH1. Binds DNA on N-box motifs: 5'-CACNAG-3' with high affinity and on E-box motifs: 5'-CANNTG-3' with low affinity (By similarity). May play a role in a functional FA core complex response to DNA cross-link damage, being required for the stability and nuclear localization of FA core complex proteins, as well as for FANCD2 monoubiquitination in response to DNA damage.

**Cellular Location**

Nucleus.

## **HES1 Blocking Peptide (C-term) - Protocols**

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

- [Blocking Peptides](#)

## **HES1 Blocking Peptide (C-term) - Images**

## **HES1 Blocking Peptide (C-term) - Background**

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## **HES1 Blocking Peptide (C-term) - References**

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Takata T.,et al.Biochem. Biophys. Res. Commun. 301:250-257(2003).