

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

HES1 Blocking Peptide (C-term) - Product InformationPrimary 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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Yao J.,et al.Submitted (MAY-2000) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
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Takata T.,et al.Biochem. Biophys. Res. Commun. 301:250-257(2003).