

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

HES1 Blocking Peptide (C-term) - Background

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.

HES1 Blocking Peptide (C-term) - References

Feder J.N., et al. Genomics 20:56-61(1994).
Yao J., et al. Submitted (MAY-2000) to the EMBL/GenBank/DDBJ databases.
Ota T., et al. Nat. Genet. 36:40-45(2004).
Ebert L., et al. Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Takata T., et al. Biochem. Biophys. Res. Commun. 301:250-257(2003).

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Cellular Location

Nucleus.

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

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

- [Blocking Peptides](#)