

**Mouse Hes1 Blocking Peptide (C-term)**  
**Synthetic peptide**  
**Catalog # BP21019c****Specification**

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**Mouse Hes1 Blocking Peptide (C-term) - Product Information**

Primary Accession [P35428](#)  
Other Accession [Q04666](#), [Q14469](#)

**Mouse Hes1 Blocking Peptide (C-term) - Additional Information**

**Gene ID** 15205

**Other Names**

Transcription factor HES-1, Hairy and enhancer of split 1, Hes1, Hes-1

**Target/Specificity**

The synthetic peptide sequence is selected from aa 205-219 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.

**Mouse Hes1 Blocking Peptide (C-term) - Protein Information**

**Name** Hes1

**Synonyms** Hes-1

**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 (By similarity). Binds DNA on N-box motifs: 5'-CACNAG-3' with high affinity and on E-box motifs: 5'-CANNTG-3' with low affinity. 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 (By similarity).

**Cellular Location**

Nucleus.

**Tissue Location**

Expressed at high levels in undifferentiated neural precursor cells, but the level of expression

decreases as neural differentiation proceeds

### **Mouse Hes1 Blocking Peptide (C-term) - Protocols**

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

- [Blocking Peptides](#)

### **Mouse Hes1 Blocking Peptide (C-term) - Images**

### **Mouse Hes1 Blocking Peptide (C-term) - Background**

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### **Mouse Hes1 Blocking Peptide (C-term) - References**

Takebayashi K.,et al.J. Biol. Chem. 269:5150-5156(1994).  
Grbavec D.,et al.Eur. J. Biochem. 258:339-349(1998).  
Bae S.-K.,et al.Development 127:2933-2943(2000).