

**HAND1 Blocking Peptide (N-term)**  
**Synthetic peptide**  
**Catalog # BP21275a****Specification**

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**HAND1 Blocking Peptide (N-term) - Product Information**Primary Accession [O96004](#)**HAND1 Blocking Peptide (N-term) - Additional Information****Gene ID** 9421**Other Names**

Heart- and neural crest derivatives-expressed protein 1, Class A basic helix-loop-helix protein 27, bHLHa27, Extraembryonic tissues, heart, autonomic nervous system and neural crest derivatives-expressed protein 1, eHAND, HAND1, BHLHA27, EHAND

**Target/Specificity**

The synthetic peptide sequence is selected from aa 83-96 of HUMAN HAND1

**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.

**HAND1 Blocking Peptide (N-term) - Protein Information****Name** HAND1**Synonyms** BHLHA27, EHAND**Function**

Transcription factor that plays an essential role in both trophoblast giant cell differentiation and in cardiac morphogenesis (By similarity). Binds the DNA sequence 5'-NRTCTG-3' (non-canonical E-box) (By similarity). Acts as a transcriptional repressor of SOX15 (By similarity). In the adult, could be required for ongoing expression of cardiac-specific genes (PubMed:<a href="http://www.uniprot.org/citations/9931445" target="\_blank">9931445</a>).

**Cellular Location**

Nucleus, nucleoplasm. Nucleus, nucleolus. Note=Interaction with MDFIC sequesters it into the nucleolus, preventing the transcription factor activity Phosphorylation by PLK4 disrupts the interaction with MDFIC and releases it from the nucleolus, leading to transcription factor activity (By similarity).

**Tissue Location**  
Heart.

### **HAND1 Blocking Peptide (N-term) - Protocols**

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

- [Blocking Peptides](#)

### **HAND1 Blocking Peptide (N-term) - Images**

### **HAND1 Blocking Peptide (N-term) - Background**

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### **HAND1 Blocking Peptide (N-term) - References**

Knoefler M.,et al.Gene 224:77-86(1998).