

**LEPRE1 Blocking Peptide (Center)**  
**Synthetic peptide**  
**Catalog # BP20704c****Specification**

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**LEPRE1 Blocking Peptide (Center) - Product Information**

Primary Accession [Q32P28](#)  
Other Accession [Q9R1J8](#), [Q3V1T4](#)

**LEPRE1 Blocking Peptide (Center) - Additional Information**

**Gene ID** 64175

**Other Names**

Prolyl 3-hydroxylase 1, Growth suppressor 1, Leucine- and proline-enriched proteoglycan 1, Leprecan-1, LEPRE1, GROS1, P3H1

**Target/Specificity**

The synthetic peptide sequence is selected from aa 499-513 of HUMAN LEPRE1

**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.

**LEPRE1 Blocking Peptide (Center) - Protein Information**

**Name** P3H1 ([HGNC:19316](#))

**Function**

Basement membrane-associated chondroitin sulfate proteoglycan (CSPG). Has prolyl 3-hydroxylase activity catalyzing the post- translational formation of 3-hydroxyproline in -Xaa-Pro-Gly- sequences in collagens, especially types IV and V. May be involved in the secretory pathway of cells. Has growth suppressive activity in fibroblasts.

**Cellular Location**

[Isoform 1]: Endoplasmic reticulum

**LEPRE1 Blocking Peptide (Center) - Protocols**

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

- [Blocking Peptides](#)

**LEPRE1 Blocking Peptide (Center) - Images****LEPRE1 Blocking Peptide (Center) - Background**

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**LEPRE1 Blocking Peptide (Center) - References**

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Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Otsuki T.,et al.DNA Res. 12:117-126(2005).  
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Cabral W.A.,et al.Nat. Genet. 39:359-365(2007).