

**Mouse Lhx1 Blocking Peptide (C-term)**  
**Synthetic peptide**  
**Catalog # BP21094a****Specification**

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**Mouse Lhx1 Blocking Peptide (C-term) - Product Information**

Primary Accession [P63006](#)  
Other Accession [P63007](#), [P48742](#)

**Mouse Lhx1 Blocking Peptide (C-term) - Additional Information**

**Gene ID** 16869

**Other Names**

LIM/homeobox protein Lhx1, LIM homeobox protein 1, Homeobox protein Lim-1, Lhx1, Lim-1, Lim1

**Target/Specificity**

The synthetic peptide sequence is selected from aa 332-345 of HUMAN Lhx1

**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 Lhx1 Blocking Peptide (C-term) - Protein Information**

**Name** Lhx1

**Synonyms** Lim-1, Lim1

**Function**

Potential transcription factor. May play a role in early mesoderm formation and later in lateral mesoderm differentiation and neurogenesis.

**Cellular Location**

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00108, ECO:0000269|PubMed:8793615}

**Tissue Location**

In mid to late stage embryos, expressed in a restricted region of mesoderm in the primitive streak. At 7.5 days, expressed in a horseshoe shape at the periphery of the node, as well as along both sides of the adjacent notochord. Also present in presumptive lateral and intermediate mesoderm. Later, expression become progressively restricted to intermediate mesoderm, and the developing excretory system including the pronephric region, mesonephros, nephric duct and metanephros. In

the metanephros, strongly expressed in renal vesicles and S-shaped and comma-shaped bodies, as well as in the ureteric bud and its derivatives. Also expressed in the dorsal root ganglia. By stage 10.5, also expressed in regions of the central nervous system in the telencephalon through to the spinal cord. In adults, expressed in the cerebellum/medulla and kidney, and at very low levels in the cerebrum.

### **Mouse Lhx1 Blocking Peptide (C-term) - Protocols**

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

- [Blocking Peptides](#)

### **Mouse Lhx1 Blocking Peptide (C-term) - Images**

### **Mouse Lhx1 Blocking Peptide (C-term) - Background**

Potential transcription factor. May play a role in early mesoderm formation and later in lateral mesoderm differentiation and neurogenesis.

### **Mouse Lhx1 Blocking Peptide (C-term) - References**

Fujii T., et al. Dev. Dyn. 199:73-83(1994).  
Barnes J.D., et al. Dev. Biol. 161:168-178(1994).  
Li Y., et al. Mamm. Genome 10:444-446(1999).  
Karavanov A.A., et al. Int. J. Dev. Biol. 40:453-461(1996).  
Agulnick A.D., et al. Nature 384:270-272(1996).