

**Mouse Ptk7 Blocking Peptide (C-term)**  
**Synthetic peptide**  
**Catalog # BP21668b**

**Specification**

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**Mouse Ptk7 Blocking Peptide (C-term) - Product Information**

Primary Accession [Q8BKG3](#)

**Mouse Ptk7 Blocking Peptide (C-term) - Additional Information**

**Gene ID** 71461

**Other Names**

Inactive tyrosine-protein kinase 7, Protein chuzhoi, Protein-tyrosine kinase 7, Pseudo tyrosine kinase receptor 7, Tyrosine-protein kinase-like 7, Ptk7

**Target/Specificity**

The synthetic peptide sequence is selected from aa 722-737 of HUMAN Ptk7

**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 Ptk7 Blocking Peptide (C-term) - Protein Information**

**Name** Ptk7

**Function**

Inactive tyrosine kinase involved in Wnt signaling pathway. Component of both the non-canonical (also known as the Wnt/planar cell polarity signaling) and the canonical Wnt signaling pathway. Functions in cell adhesion, cell migration, cell polarity, proliferation, actin cytoskeleton reorganization and apoptosis. Has a role in embryogenesis, epithelial tissue organization and angiogenesis.

**Cellular Location**

Membrane; Single-pass type I membrane protein. Cell junction. Note=Colocalizes with MMP14 at cell junctions. Also localizes at the leading edge of migrating cells

**Tissue Location**

Expressed at high levels in lung and un-pregnant uterus among adult tissues, and in the tail, limbs, somites, gut and craniofacial regions among embryonic tissues

## **Mouse Ptk7 Blocking Peptide (C-term) - Protocols**

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

- [Blocking Peptides](#)

## **Mouse Ptk7 Blocking Peptide (C-term) - Images**

## **Mouse Ptk7 Blocking Peptide (C-term) - Background**

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## **Mouse Ptk7 Blocking Peptide (C-term) - References**

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Daigo Y., et al. Submitted (FEB-2001) to the EMBL/GenBank/DDBJ databases.  
Lu X., et al. Nature 430:93-98(2004).  
Gundry R.L., et al. Mol. Cell. Proteomics 8:2555-2569(2009).