10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Mouse Ptk7 Blocking Peptide (C-term)

Synthetic peptide
Catalog # BP21668b

Specification

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

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

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.

Mouse Ptk7 Blocking Peptide (C-term) - References

Jung J.-W.,et al.Gene 328:75-84(2004).
Carninci P.,et al.Science 309:1559-1563(2005).
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).