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PTK7 Blocking Peptide (N-Term)

Synthetic peptide

Catalog # BP21298a

Specification

PTK7 Blocking Peptide (N-Term) - Product Information

Primary Accession Q13308

PTK7 Blocking Peptide (N-Term) - Additional Information

Gene ID 5754

Other Names
Inactive tyrosine-protein kinase 7, Colon carcinoma kinase 4, CCK-4, Protein-tyrosine kinase 7, Pseudo tyrosine kinase receptor 7, Tyrosine-protein kinase-like 7, PTK7, CCK4

Target/Specificity
The synthetic peptide sequence is selected from aa 331-343 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.

PTK7 Blocking Peptide (N-Term) - Protein Information

Name PTK7

Synonyms CCK4

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.

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PTK7 Blocking Peptide (N-Term) - References

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Park S.-K.,et al.J. Biochem. 119:235-239(1996).
Jung J.-W.,et al.Biochim. Biophys. Acta 1579:153-163(2002).
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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
Highly expressed in lung, liver, pancreas, kidney, placenta and melanocytes. Weakly expressed in thyroid gland, ovary, brain, heart and skeletal muscle. Also expressed in erythroleukemia cells. But not expressed in colon

PTK7 Blocking Peptide (N-Term) - Protocols

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

- Blocking Peptides