

**PORCN Blocking Peptide (Center)**  
**Synthetic peptide**  
**Catalog # BP21406c****Specification**

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**PORCN Blocking Peptide (Center) - Product Information**Primary Accession [Q9H237](#)**PORCN Blocking Peptide (Center) - Additional Information****Gene ID** 64840**Other Names**

Protein-cysteine N-palmitoyltransferase porcupine, 231-, Protein MG61, PORCN, MG61, PORC, PPN

**Target/Specificity**

The synthetic peptide sequence is selected from aa 138-151 of HUMAN PORCN

**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.

**PORCN Blocking Peptide (Center) - Protein Information****Name** PORCN ([HGNC:17652](#))**Function**

Protein-serine O-palmitoleoyltransferase that acts as a key regulator of the Wnt signaling pathway by mediating the attachment of palmitoleate, a 16-carbon monounsaturated fatty acid (C16:1(9Z)), to Wnt proteins. Serine palmitoleoylation of WNT proteins is required for efficient binding to frizzled receptors.

**Cellular Location**

Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q9JJJ7}; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q9JJJ7}

**Tissue Location**

Isoform 1 is expressed in fetal brain, brain, amygdala, caudate nucleus, cerebellum, hippocampus, pituitary, thalamus, heart, skeletal muscle and testis. Isoform 4 is expressed in amygdala, corpus callosum, hippocampus, spinal cord, kidney, liver, lung, spleen, uterus, testis. Isoform 2 and isoform 3 are expressed in substantia nigra, spinal cord, heart and lung

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

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

- [Blocking Peptides](#)

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

protein-cysteine N-palmitoyltransferase that modulates the processing of Wnt proteins by mediating serine palmitoylation of Wnt family members.

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

Caricasole A.,et al.Gene 288:147-157(2002).

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Ross M.T.,et al.Nature 434:325-337(2005).

Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

Geraghty M.T.,et al.Submitted (JAN-1993) to the EMBL/GenBank/DDBJ databases.