

**PTGFR Blocking Peptide (Center)**  
**Synthetic peptide**  
**Catalog # BP21723c****Specification**

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**PTGFR Blocking Peptide (Center) - Product Information**Primary Accession [P43088](#)**PTGFR Blocking Peptide (Center) - Additional Information****Gene ID** 5737**Other Names**

Prostaglandin F2-alpha receptor, PGF receptor, PGF2-alpha receptor, Prostanoid FP receptor, PTGFR

**Target/Specificity**

The synthetic peptide sequence is selected from aa 189-199 of HUMAN PTGFR

**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.

**PTGFR Blocking Peptide (Center) - Protein Information****Name** PTGFR**Function**

Receptor for prostaglandin F2-alpha (PGF2-alpha). The activity of this receptor is mediated by G proteins which activate a phosphatidylinositol-calcium second messenger system. Initiates luteolysis in the corpus luteum (By similarity). Isoforms 2 to 7 do not bind PGF2-alpha but are proposed to modulate signaling by participating in variant receptor complexes; heterodimers between isoform 1 and isoform 5 are proposed to be a receptor for prostamides including the synthetic analog bimatoprost.

**Cellular Location**

Cell membrane; Multi-pass membrane protein.

**Tissue Location**

Eye..

## **PTGFR Blocking Peptide (Center) - Protocols**

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

- [Blocking Peptides](#)

## **PTGFR Blocking Peptide (Center) - Images**

## **PTGFR Blocking Peptide (Center) - Background**

Receptor for prostaglandin F<sub>2</sub>-alpha (PGF<sub>2</sub>-alpha). The activity of this receptor is mediated by G proteins which activate a phosphatidylinositol-calcium second messenger system. Initiates luteolysis in the corpus luteum (By similarity). Isoforms 2 to 7 do not bind PGF<sub>2</sub>-alpha but are proposed to modulate signaling by participating in variant receptor complexes; heterodimers between isoform 1 and isoform 5 are proposed to be a receptor for prostamides including the synthetic analog bimatoprost.

## **PTGFR Blocking Peptide (Center) - References**

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