

PTGER4 Blocking Peptide (Center)
Synthetic peptide
Catalog # BP20451c**Specification**

PTGER4 Blocking Peptide (Center) - Product Information

Primary Accession [P35408](#)
Other Accession [P43114](#), [Q28691](#), [P32240](#), [Q8MJ08](#)

PTGER4 Blocking Peptide (Center) - Additional Information

Gene ID 5734

Other Names

Prostaglandin E2 receptor EP4 subtype, PGE receptor EP4 subtype, PGE2 receptor EP4 subtype, Prostanoid EP4 receptor, PTGER4, PTGER2

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.

PTGER4 Blocking Peptide (Center) - Protein Information

Name PTGER4

Synonyms PTGER2

Function

Receptor for prostaglandin E2 (PGE2). The activity of this receptor is mediated by G(s) proteins that stimulate adenylate cyclase. Has a relaxing effect on smooth muscle. May play an important role in regulating renal hemodynamics, intestinal epithelial transport, adrenal aldosterone secretion, and uterine function.

Cellular Location

Cell membrane; Multi-pass membrane protein.

Tissue Location

High in intestine and in peripheral blood mononuclear cells; low in lung, kidney, thymus, uterus, vasculature and brain. Not found in liver, heart, retina or skeletal muscle

PTGER4 Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

PTGER4 Blocking Peptide (Center) - Images

PTGER4 Blocking Peptide (Center) - Background

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PTGER4 Blocking Peptide (Center) - References

Bastien L., et al. J. Biol. Chem. 269:11873-11877(1994).
An S., et al. Biochem. Biophys. Res. Commun. 197:263-270(1993).
Foord S.M., et al. Genomics 35:182-188(1996).
Mori K., et al. J. Mol. Med. 74:333-336(1996).
Kopatz S.A., et al. Submitted (OCT-2003) to the EMBL/GenBank/DDBJ databases.