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PDE6H Blocking Peptide(Center)

Synthetic peptide
Catalog # BP19799c

Specification

PDE6H Blocking Peptide(Center) - Product Information

Primary Accession	Q13956
Other Accession	P09174, P18545, P04972, P61250, P61249, P22571, NP_006196.1

PDE6H Blocking Peptide(Center) - Additional Information

Gene ID 5149

Other Names
Retinal cone rhodopsin-sensitive cGMP 3', 5'-cyclic phosphodiesterase subunit gamma, GMP-PDE gamma, PDE6H

Target/Specificity
The synthetic peptide sequence is selected from aa 19-33 of HUMAN PDE6H

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.

PDE6H Blocking Peptide(Center) - Protein Information

Name PDE6H

Function
Participates in processes of transmission and amplification of the visual signal. cGMP-PDEs are the effector molecules in G- protein-mediated phototransduction in vertebrate rods and cones.

PDE6H Blocking Peptide(Center) - Protocols

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

- Blocking Peptides

PDE6H Blocking Peptide(Center) - Images

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PDE6H Blocking Peptide(Center) - Background

This gene encodes the inhibitory (or gamma) subunit of the cone-specific cGMP phosphodiesterase, which is a tetramer composed of two catalytic chains (alpha and beta), and two inhibitory chains (gamma). It is specifically expressed in the retina, and is involved in the transmission and amplification of the visual signal. Mutations in this gene are associated with retinal cone dystrophy type 3A (RCD3A).

PDE6H Blocking Peptide(Center) - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Lamesch, P., et al. Genomics 89(3):307-315(2007)
Piri, N., et al. Ophthalmology 112(1):159-166(2005)
Kajimura, N., et al. J. Struct. Biol. 139(1):27-38(2002)
Shimizu-Matsumoto, A., et al. Genomics 32(1):121-124(1996)