

Product datasheet

PDE6 gamma peptide ab5864

Overview

Product name PDE6 gamma peptide

Description

Nature Synthetic

Specifications

Our [Abpromise guarantee](#) covers the use of **ab5864** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications Blocking

Purity > 95 % SDS-PAGE.

Form Liquid

Additional notes

This peptide may be used for neutralization and control experiments with the polyclonal antibody that reacts with this product and human PDE6 gamma, catalog [ab5664](#). Using a solution of peptide of equal volume and concentration to the corresponding antibody will yield a large molar excess of peptide (70-fold) for competitive inhibition of antibody-protein binding reactions.

Preparation and Storage

Stability and Storage Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

General Info

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.

Involvement in disease Defects in PDE6G are the cause of retinitis pigmentosa type 57 (RP57) [MIM:613582]. RP57 is a retinal dystrophy belonging to the group of pigmentary retinopathies. Retinitis pigmentosa is characterized by retinal pigment deposits visible on fundus examination and primary loss of rod

photoreceptor cells followed by secondary loss of cone photoreceptors. Patients typically have night vision blindness and loss of midperipheral visual field. As their condition progresses, they lose their far peripheral visual field and eventually central vision as well.

Sequence similarities

Belongs to the rod/cone cGMP-PDE gamma subunit family.

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