

## Product datasheet

# GNAT1 peptide ab5002

### Overview

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**Product name** GNAT1 peptide

### Description

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**Nature** Synthetic

### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab5002** in the following tested applications.

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

**Applications** Blocking

**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 Tr alpha, catalog [ab3504](#). 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

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**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

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**Function** Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems. Transducin is an amplifier and one of the transducers of a visual impulse that performs the coupling between rhodopsin and cGMP-phosphodiesterase.

**Tissue specificity** Rod. Predominantly expressed in the retina followed by the ciliary body, iris and retinal pigment epithelium.

**Involvement in disease** Night blindness, congenital stationary, autosomal dominant 3  
Night blindness, congenital stationary, 1C

**Sequence similarities** Belongs to the G-alpha family. G(i/o/t/z) subfamily.

**Developmental stage**

Expressed at approximately postnatal day 7.

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**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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