

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



CNGA2 Peptide

Cat No.: BS5669P

Background

Cyclic nucleotide-gated (CNG) cation channels are heteromeric complexes made up of principal alpha and modulatory beta subunits. The alpha subunits consist of CNG1-3 and form functional cation channels by themselves. The beta subunits consist of CNG4-6 and, unlike the alpha subunits, do not form functional channels, but rather modify the properties of channels. CNG channels are essential components of olfactory and visual transduction. In olfactory neurons, CNG2, CNG4.3 and CNG5 form Ca²⁺ permeable channels, which open and depolarize the cell in response to cAMP. In rod photoreceptors, CNG1 and CNG4.1 combine to form Ca ion permeable channels, which give rise to a current in response to cGMP. CNG3 and CNG6 are expressed in cone receptors and may combine to form a native cGMP-activated channel. CNG channels have been implicated in other areas.

Swiss-Prot

Q16280

Applications

Blocking

Specificity

This peptide can be used with studies using BS5669 CNGA2 pAb.

Purification & Purity

Synthetic peptide CNGA2. (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.