

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



RGS1 Peptide

Cat No.: BS5894P

Background

Heterotrimeric G proteins function to relay information from cell surface receptors to intracellular effectors. In mammals, G protein α , β and γ polypeptides are encoded by at least 16, 4 and 7 genes, respectively. Most interest in G proteins has been focused on their α subunits, since these proteins bind and hydrolyze GTP and most obviously regulate the activity of the best studied effectors. Several G α GTPase activating proteins (GAPs) have been identified and are designated RGS1, RGS2, RGS4, RGS7, RGS9, RGS10 and GAIP (G α -interacting protein). Each of these proteins has been shown to deactivate specific G α isoforms by increasing the rate at which they convert GTP to GDP. RGS2 has been shown to be an inhibitor of G α q function. RGS9 expression is restricted to photoreceptor cells and RGS9 has been shown to regulate G α t.

Swiss-Prot

Q08116

Applications

Blocking

Specificity

This peptide can be used with studies using BS5894 RGS1 pAb.

Purification & Purity

Synthetic peptide RGS1. (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.