

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



RGS5 Peptide

Cat No.: BS5897P

Background

Regulators of G protein signaling (RGS proteins) are a family of highly diverse, multifunctional signaling proteins that share a conserved 120 amino acid domain (RGS domain). RGS domains bind directly to activated $G\alpha$ subunits and act as GTPase-activating proteins (GAPs) to attenuate and/or modulate hormone and neurotransmitter receptor-initiated signaling by both $G\alpha$ -GTP and $G\beta\gamma$. RGS proteins shorten the lifetime of activated G proteins. Vascular endothelial cells express the RGS protein RGS5, where it correlates with capillary morphogenesis, thus rendering it a candidate gene involved in capillary growth, angiogenesis, and also potentially the pathophysiology of stroke.

Swiss-Prot

O15539

Applications

Blocking

Specificity

This peptide can be used with studies using BS5897 RGS5 pAb.

Purification & Purity

Synthetic peptide RGS5. (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.