

32-4650: Recombinant Human Regulator of G-Protein Signaling 5

Alternative Name : Regulator of G-protein signaling 5, RGS5, MST092, MST106, MST129, MSTP032, MSTP092, MSTP106, MSTP129.

Description

Source : Escherichia Coli. RGS5 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 205 amino acids (1-181 a.a.) and having a molecular mass of 23.5kDa. RGS5 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Regulator of G-protein signaling 5 (RGS5) binds directly to activated G alpha subunits and act as GTPase-activating proteins (GAPs) in order to weaken and/or modulate hormone and neurotransmitter receptor-initiated signaling by both G alpha-GTP and G beta gamma. Vascular endothelial cells express the RGS protein RGS5, where it correlates with capillary morphogenesis, consequently rendering it a candidate gene involved in capillary growth, angiogenesis, and also possibly the pathophysiology of stroke.

Product Info

Amount : 25 µg
Purification : Greater than 90% as determined by SDS-PAGE.
Content : RGS5 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.
Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid : MGSSHHHHHH SSSLVPRGSH MGSMMCKGLA ALPHSCLERA KEIKIKLGIL LQKPDSVGD LVIPYNEKPEK PAKTQKTSLD EALQWRDSL D KLLQNNYGLA SFKSFLKSEF SEENLEFWIA CEDYK KIKSP AKMAEKAKQI YEEFIQTEAP KEVNIDHFTK DITMKNLVEP SLSSFDMAQK RIHALMEKDS LPRFVRSEFY QELIK.

