

**RGS5, 1-181aa, Human, His tag, E.coli**

**Cat.NO.: TP03731**

---

3th Edition

**Synonyms:**Regulator of G-protein signaling 5, MST092, MST106, MST129, MSTP032, MSTP092, MSTP106, MSTP129.

**Description:**RGS5, also known as regulator of G-protein signaling 5, binds 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. 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.

**Form:**Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.1M NaCl,1mM DTT

**Molecular Weight:**23.5 kDa (205aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSHMCKGLAALPHSCLERAKEIKIKLGILLQKPDSVGDVIPYNEKPEKPAKTQK  
TSLDEALQWRDSLKLLQNNYGLASFKSFLKSEFSEENLEFWIACEDYKIKKSPAKMAEKAKQIYEEFIQTEAPKEVN  
IDHFTKDITMKNLVEPSLSSFDMAQKRIHALMEKDSLPRFVRSEFYQELIK

**Purity:**> 95% by HPLC

**Concentration:**0.5 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.