



**RGS17, 1-210aa, Human, His tag, E.coli**

**Cat.NO.: TP03726**

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3th Edition

**Synonyms:**Regulator of G-protein signaling 17, hRGS17, RGS-17, RGSZ2.

**Description:**RGS17, also known as regulator of G-protein signaling 17, attenuates the signaling activity of Gproteins by binding to activated, GTP-bound G alpha subunits and acting as a GTPase activating protein (GAP), increasing the rate of conversion of the GTP to GDP. This hydrolysis allows the G alpha subunits to bind G beta/gamma subunit heterodimers, forming inactive G-protein heterotrimers, thereby terminating the signal.

**Form:**Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl,1mM DTT

**Molecular Weight:**26.5 kDa(230aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMRKRQQSQNEGTPAVSQAPGNQRPNNTCCFCWCCCCSCSCLTVRNEERGENA  
GRPTHHTTKMESIQVLEECQNPTAEEVLSWSQNFDKMMKAPAGRNLFREFLRTEYSEENLLFWLACEDLKKEQNKK  
VIEEKARMIYEDYISILSPKEVSLDSRVREVINRNLLDPNPHMYEDAQLQIYTLMHRDSFPRFLNSQIYKSFVESTAGS  
SSES

**Purity:**> 95% by HPLC

**Concentration:**1.0 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.