

**RGS21, 1-152aa, Human, His tag, E.coli**

**Cat.NO.: TP03729**

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3th Edition

**Synonyms:**Regulator of G-protein signaling 21.

**Description:**Regulator of G-protein signaling 21, also known as RGS21, is a RGS family member and regulatory molecules that act as GTPase activating proteins for G alpha subunits of heterotrimeric G proteins. This protein inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 30% glycerol, 0.1M NaCl

**Molecular Weight:**20.2 kDa (176aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSHMPVKCCFYRSPTAETMTWSENMDTLLANQAGLDAFRIFLKSEFSEENVEF  
WLACEDFKKTKNADKIASKAKMIYSEFIEADAPKEINIDFGTRDLISKNIAEPTLKCFDEAQKLIYCLMAKDSFPRFLKS  
EIYKCLVNSQQVPNHKKWLPFL

**Purity:**> 95% by HPLC

**Concentration:**1 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.