

**RGS2, 1-211aa, Human, His tag, E.coli**

**Cat.NO.: TP03728**

3th Edition

**Synonyms:**Regulator of G-protein signaling 2, 24kDa, G0S8

**Description:**RGS2, also known as G0S8, 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. Recombinant human RGS2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol, 2mM DTT, 0.1M NaCl.

**Molecular Weight:**26.5 kDa (231aa) confirmed by MALDI-TOFm (molecular size on SDS-PAGE will appear higher)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMQSAMFLAVQHDCRPMDKSAGSGHKSEEKREKMKRLLKDWKTRLSYFLQNSS  
TPGPKPTGKKSKQQAFIKPSPEEAQLWSEAFDELLASKYGLAAFRFLKSEFCEENIEFWLACEDFKKTKSPQKLSS  
KARKIYTDIEKEAPKEINIDFQTKTLIAQNIQEATSGCFSTAQKRVYSLMENNYSYPRFLESEFYQDLCKKPQITTEPH  
AT

**Purity:**> 95% by HPLC

**Concentration:**0.25 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.