



RGS16, 1-202aa, Human, His-tag, E.coli

Cat.NO.: TP03725

3th Edition

Synonyms:Regulator of G-protein signaling 16, A28-RGS14, A28-RGS14P, RGS-R

Description:RGS16, also known as regulator of G-protein signaling 16, belongs to 'regulator of G protein signaling' family and negatively regulates G protein coupled receptor signalling. This protein inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits, thereby driving them into their inactive GDP bound form. It also may play a role in regulating the kinetics of signaling in the phototransduction cascade.

Form:Liquid. In Phosphate Buffered Saline (pH7.4) containing 20% glycerol 0.1M NaCl

Molecular Weight:24.9 kDa (222aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMCRTLAAFPTTCLERAKEFKTRLGIFLHKSELGCDTGSTGKFEWGSKHSKENRNF
SEDLGWRESFDLLLSSKNGVAAFHAFKTEFSEENLEFWLACEEFKKIRSATKLASRAHQIFEEFICSEAPKEVNID
HETRELTRMNLQTATATCFDAAQGKRTLMEKDSYPRFLKSPAYRDLAAQASAASATLSSCSLDEPSHT

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.