

RGS14, 1-566aa, Human, His tag, E.coli

Cat.NO.: TP03724

3th Edition

Synonyms:regulator of G-protein signaling 14.

Description:RGS14 (Regulator of G-protein signaling 14) belongs to regulator of G protein signalling family. This protein contains one RGS domain, two Raf-like Ras-binding domains (RBDs), and one GoLoco motif. RGS14 is highly enriched in CA2 pyramidal neurons and plays a role in suppression of both synaptic plasticity at these synapses and hippocampal-based learning and memory.

Form:Liquid. In 20 mM Tris-HCl buffer, pH7.5, 10% glycerol, 1mM DTT, 200mM NaCl

Molecular Weight:63.6kDa (586aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMPGKPKHLGVPNGRMVLAVSDGELSSTTGPQQQGEGRGSSLSIHSPLSGPSSP
FPTEEQPVASWALSFERLLQDPLGLAYFTEFLKKEFSAENVTFWKACERFQQIPASDTQQLAQEARNIYQEFLLSSQ
ALSPVNIDRQAWLGEEVLAEP RPDMFRAQQQLQIFNLMKFDSYARFVKSPLYRECLLAEAEGRPLREPGSSRLGSPD
ATRKKPKLKP GKSLPLGVEELGQLPPVEGPGGRPLRKSFRRELGGTANAALRRESQGSLNSSASLDLGFLAFVSSK
SESHRKS LGSTEGESES RPKYCCVYLPDGTASLALARPGLTIRDMLAGICEK RGLSLPDIKVYLVGNEQALVLDQD
CTVLADQEVRL ENRITFELELTALERVVRISAKPTKRLQEALQPILEKHGLSPLEVVLHRPGEKQPLDLGKLVSSVAA
QRLVLDTLPGVKISKARDKSPCRSQGCP PRTQDKATHPPPASPSSLVKVPSSATGKRQTC DIEGLVELLN RVQSSG
AHDQRGLLRKEDLVLPEFLQLPAQGPSSEETPPQTKSAAQPIGGSLNSTTDSAL

Purity:> 95% by HPLC

Concentration:0.5mg/ml

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.