

32-4642: Recombinant Human Regulator of G-Protein Signaling 10

Description

Source : E.coli. RGS10 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 205 amino acids (1-181) and having a molecular mass of 23.7 kDa. The RGS10 is fused to a 24 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. RGS10 is a member of the RGS family that regulate molecules which perform as GTPase activating proteins (GAPs) for G alpha subunits of heterotrimeric G proteins. RGS proteins can disengage G protein subunits of the Gi alpha, Go alpha and Gq alpha subtypes. They drive G proteins into their inactive GDP-bound forms. All RGS proteins share a conserved 120-amino acid sequence termed the RGS domain. The nucleus localized RGS10 is associated specifically with the activated forms of the two related G-protein subunits, G-alpha13 and G-alpha14 but is unable to cooperate with the structurally and functionally distinct G-alpha subunits.

Product Info

Amount :	25 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	The RGS10 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 0.1M NaCl and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSHMFNRV SRLSRKRPPS DIHDSDGSSS SSHQSLKSTA KWAASLENLL EDPEGVKRFR EFLKKEFSEE NVLFWLACED FKKMQDKTQM QEKAKEIYMT FLSSKASSQV NVEGQSRLNE KILEEPHPLM FQKLQDQIFN LMKYDSYSRF LKSDLFLKHK RTEEEEEEDLP DAQTAAKRAS RIYNT