9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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RGS10 Human

Regulator of G-Protein Signaling 10 Human Recombinant
RCP1855

Product Overview

Name	RGS10 Human
Description	
Regulator of G-Protein Signaling 10 Human Recombinant	
Accession (Primary)	O43665
Synonyms	
Regulator Of G-Protein Signaling 10, RGS10.	
Introduction	
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 associates specifically with the activated forms of the two related G-protein subunits, G-alphai3 and G-alphaz but is unable to cooperate with the structurally and functionally distinct G-alpha subunits.	
Source	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The RGS10 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 0.1M NaCl and 10% glycerol.	
Stability	
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.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGSH MFNRAV SRLSRKRPPS DIHDSDGSSS SSHQSLKSTA KWAASLENLL EDPEGVKRFR EFLKKEFSEE NVLFWLACED FKKMQDKTQM QEKAKEIYMT FLSSKASSQV NVEGQSRLNE KILEEPHPLM FQKLQDQIFN LMKYDSYSRF LKSDLFLKHK RTEEEEEDLP DAQTAAKRAS RIYNT	

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Precautions

RGS10 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O43665)