9051 Mira Mesa Blvd, #910094
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RGS5 Human

Regulator of G-Protein Signaling 5 Human Recombinant
RCP1863

Product Overview

Name	RGS5 Human
Description	
Regulator of G-Protein Signaling 5 Human Recombinant	
Accession (Primary)	O15539
Synonyms	
Regulator of G-protein signaling 5, RGS5, MST092, MST106, MST129, MSTP032, MSTP092, MSTP106, MSTP129.	
Introduction	
Regulator of G-protein signaling 5 (RGS5) binds directly to activated G alpha subunits and act as GTPase-activating proteins (GAPs) in order to weaken and/or modulate hormone and neurotransmitter receptor-initiated signaling by both G alpha-GTP and G beta gamma. Vascular endothelial cells express the RGS protein RGS5, where it correlates with capillary morphogenesis, consequently rendering it a candidate gene involved in capillary growth, angiogenesis, and also possibly the pathophysiology of stroke.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
RGS5 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.	
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 MCKGLA ALPHSCLERA KEIKIKLGIL LQKPDSVGDL VIPYNEKPEK PAKTQKTSLD EALQWRDSLD KLLQNNYGLA SFKSFLKSEF SEENLEFWIA CEDYKKIKSP AKMAEKAKQI YEEFIQTEAP KEVNIDHFTK DITMKNLVEP SLSSFDMAQK RIHALMEKDS LPRFVRSEFY QELIK.	
Precautions	

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RGS5 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O15539)