
Product Data Sheet

Product Name: RGS5 Human
 Cat. No.: GP24381
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Regulator of G-protein signaling 5; RGS5; MST092; MST106; MST129; MSTP032; MSTP092; MSTP106; MSTP129.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSHMCKGLA ALPHSCLERA KEIKIKLGIL LQKPDSVGD LVIPYNEKPEK PAKTQKTS LD EALQWRDSL D KLLQNNYGLA SFKSFLKSEF SEENLEFWIA CEDYKKIKSP AKMAEKAKQI YEEFIQTEAP KEVNIDHFTK DITMKNLVEP SLSSFDMAQK RIHALMEKDS LPRFVRSEFY QELIK.		
Formulation	RGS5 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.		

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.

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.

Background

RGS5 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide

Caution: Product has not been fully validated for medical applications. For research use only.

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chain containing 205 amino acids (1-181 a.a.) and having a molecular mass of 23.5kDa. RGS5 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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