
Product Data Sheet

Product Name: RGS4 Human
 Cat. No.: GP24380
 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 4; RGP4; RGS4; SCZD9.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MCKGLAGLPA SCLRSKDKM HRLGFLLQKS DSCEHNSSHN KKDKVVICQR VSQEEVKKWA ELENLISHE CGLAAFKAFL KSEYSEENID FWISCEEYKK IKSPSKLSPK AKKIYNEFIS VQATKEVNLD SCTREETSRN MLEPTITCFD EAQKKIFNLM EKDSYRRFLK SRFYLDLVNP SSCGAEKQKG AKSSADCASL VPQCA.		
Formulation	RGS4 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 5mM DTT, 10% glycerol and 200mM NaCl.		

Introduction

Regulator of G protein signaling 4 (RGS4) is a protein which regulates G protein signaling. Regulator of G protein signaling (RGS) family members are regulatory molecules which act as GTPase activating proteins (GAPs) for G alpha subunits of heterotrimeric G proteins. Heterotrimeric G proteins serve to convey information from cell surface receptors to intracellular effectors.

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

RGS4 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 225 amino acids (1-205 a.a.) and having a molecular mass of 25.4kDa. RGS4 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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

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