9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

RGS1 Human

Regulator of G-Protein Signaling 1 Human Recombinant
RCP1854

Product Overview

Name	RGS1 Human
Description	
Regulator of G-Protein Signaling 1 Human Recombinant	
Accession (Primary)	Q08116
Synonyms	
Regulator of G-protein signaling 1, RGS1, B-cell activation protein BL34, Early response protein 1R20, 1R20, BL34, IER1, IR20.	
Introduction	
RGS1 belongs to the regulator of G-protein signaling family. The RGS1 protein is situated on the cytosolic side of the plasma membrane and contains a conserved, 120 amino acid motif termed the RGS domain. RGS1 diminish s the signaling activity of G-proteins by binding to activated, GTP-bound G alpha subunits and performing as a GTPase activating protein (GAP), boosting the rate of conversion of the GTP to GDP. This hydrolysis allows the G alpha subunits to bind G beta/gamma subunit heterodimers, creating inactive G-protein heterotrimers, thus terminating the signal.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
RGS1 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol 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 MRAAAI STPKLDKMPG MFFSANPKEL KGTTHSLLDD KMQKRRPKTF	

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

GMDMKAYLRS MIPHLESGMK SSKSKDVLSA AEVMQWSQSL EKLLANQTGQ NVFGSFLKSE FSEENIEFWL ACEDYKKTES DLLPCKAEEI YKAFVHSDAA KQINIDFRTR ESTAKKIKAP TPTCFDEAQK VIYTLMEKDS YPRFLKSDIY LNLLNDLQAN SLK.

Precautions

RGS1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q08116)