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

RGS2 Human

Regulator of G-Protein Signaling 2 Human Recombinant
RCP1860

Product Overview

Name	RGS2 Human
Description	
Regulator of G-Protein Signaling 2 Human Recombinant	
Accession (Primary)	P41220
Synonyms	
Regulator of G-protein Signaling 2 24kDa, G0S8, G0/G1 switch regulatory protein 8, Cell growth-inhibiting gene 31 protein, RGS2.	
Introduction	
RGS2 belongs to the RGS family which are regulatory molecules that act as GTPase activating proteins for G alpha subunits of heterotrimeric G proteins. RGS2 inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits and as a result driving them into their inactive GDP-bound form.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
The RGS2 protein solution (0.25mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0), 100mM NaCl, 2mM DTT 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 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MQSAMFLAVQ HDCRPMDKSA GSGHKSEEKR EKMKRTLLKD WKTRLSYFLQ NSSTPGKPKT GKKSKQQAFI KPSPEEAQLW SEAFDELLAS KYGLAAFRAF LKSEFCEENI EFWLACEDFK KTKSPQKLSS KARKIYTDFI EKEAPKEINI DFQTKTLIAQ NIQEATSGCF TTAQKRVYSL MENNSYPRFL ESEFYQDLCK KPQITTEPHA T	

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Precautions

RGS2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P41220)