
Product Data Sheet

Product Name: RGS21 Human
 Cat. No.: GP24379
 Batch No.: 1

Product Data

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|---------------------|--|--------------------|-------------------------|
| Purity | >98% | Source | Escherichia Coli. |
| Physical Appearance | solid | Shipping Condition | Shipped with Ice Packs. |
| Synonyms | Regulator of G-protein signaling 21; RGS21. | | |
| Amino Acid Sequence | MGSSHHHHHH SGLVPRGSH MGSHPVKCC FYRSPTAETM TWSENMDTLL ANQAGLDAFR IFLKSEFSEE NVEFWLACED FKKTKNADKI ASKAKMIYSE FIEADAPKEI NIDFGTRDLI SKNIAEPTLK CFDEAQKLIY CLMAKDSFPR FLKSEIYKKL VNSQQVPNHK KWLPL. | | |
| Formulation | RGS21 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 30% glycerol and 0.1M NaCl. | | |

Introduction

Regulator of G-protein signaling 21 (RGS21) belongs to the RGS family and regulatory molecules which act as GTPase activating proteins for G alpha subunits of heterotrimeric G proteins. The RGS21 protein inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thus driving them into their inactive GDP-bound form.

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

RGS21 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 176 amino acids (1-152 a.a.) and having a molecular mass of 20.2kDa. RGS21 is fused to a 24 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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