

Recombinant human RGS4 protein

Catalog Number: ATGP1160

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-205aa

UniProt No.

P49798

NCBI Accession No.

NP_005604

Alternative Names

Regulator of G-protein signaling 4, DKFZp761F1924, MGC2124, MGC60244, RGP4, SCZD9

PRODUCT SPECIFICATION

Molecular Weight

25.4 kDa (225aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 5mM DTT, 10% glycerol, 200mM NaCl

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

RGS4 (regulator of G protein signaling 4) is a protein which regulates G protein signaling. Regulator of G protein signaling (RGS) family members are regulatory molecules that act as GTPase activating proteins (GAPs) for G alpha subunits of heterotrimeric G proteins. Heterotrimeric G proteins function to relay information from cell surface receptors to intracellular effectors. Recombinant human RGS4 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH> MCKGLAGLPA SCLRSAKDMK HRLGFLLQKS DSCEHNSSHN KKDKVICQR
VSQEEVKKWA ESLENLISHE CGLAAFKAFL KSEYSEENID FWISCEEYKK IKSPSKLSPK AKKIYNEFIS VQATKEVNLD
SCTREETS RN MLEPTITCFD EAQKKIFNLM EKDSYRRFLK SRFYLDLVNP SSCGAEKQKG AKSSADCASL VPQCA

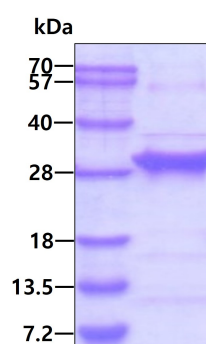
General References

Chowdari K.V., et al. (2002) Hum. Mol. Genet. 11:1373-1380

Tu Y., et al (1999) J. Biol. Chem. 274:38260-38267

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.