

Product datasheet

Recombinant Human RGS2 protein ab104636

画像数 1

製品の概要

製品名	Recombinant Human RGS2 protein
タンパク質長	Full length protein

製品の詳細

由来	Recombinant
由来	Escherichia coli

アミノ酸配列

アクセッション番号 [P41220](#)

生物種 Human

配列 **MGSSHHHHHSSGLVPRGSHMQSAMFLAVQHDCRPMDKSAGSGHKSEEKR**
EKMKRTLLKDWKTRLSYFLQNSSTPGKPKTGKSKQQAQAFIKPSPEEAQLW
SEAFDELLASKYGLAAFRFLKSEFCEENIEFWLACEDFKKTKSPQKLSS
KARKIYTDFIEKEAPKEINIDFQTKTLIAQNIQEATSGCFTTAQKRVYSL
MENNSYPRFLESEFYQDLCKKPQITTEPHAT

分子量	27 kDa including tags
領域	1 to 211
タグ	His tag N-Terminus

特性

Our [Abpromise guarantee](#) covers the use of **ab104636** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	SDS-PAGE Mass Spectrometry
質量分析	MALDI-TOF
精製度	> 90 % SDS-PAGE. ab104636 is purified using conventional chromatography techniques.
製品の状態	Liquid

保存方法および安定性

Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Preservative: None

Constituents: 10% Glycerol, 0.1M Sodium chloride, 20mM Tris HCl, 2mM DTT, pH 8.0

関連情報

機能

Regulates G protein-coupled receptor signaling cascades. Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits, thereby driving them into their inactive GDP-bound form (PubMed:11063746, PubMed:19478087). Plays a role in the regulation of blood pressure in response to signaling via G protein-coupled receptors and GNAQ. Plays a role in regulating the constriction and relaxation of vascular smooth muscle (By similarity). Binds EIF2B5 and blocks its activity, thereby inhibiting the translation of mRNA into protein (PubMed:19736320).

組織特異性

Expressed in acute myelogenous leukemia (AML) and in acute lymphoblastic leukemia (ALL).

配列類似性

Contains 1 RGS domain.

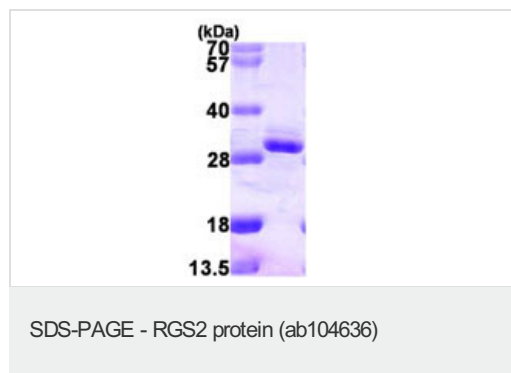
翻訳後修飾

Phosphorylated by protein kinase C. Phosphorylation by PRKG1 leads to activation of RGS2 activity.

細胞内局在

Cell membrane. Mitochondrion and Cell membrane. Cytoplasm. Nucleus, nucleolus.

画像



15% SDS-PAGE analysis of 3µg ab104636.

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