

Recombinant human Rap2A protein

Catalog Number: ATGP0855

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-180aa

UniProt No.

P10114

NCBI Accession No.

NP_066361

Alternative Names

Ras-related protein Rap-2a, K-REV, KREV, RAP2, RbBP-30

PRODUCT SPECIFICATION

Molecular Weight

22.4 kDa (200aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 1mM DTT, 10% glycerol

Purity

> 95% 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

RAP2A, also known as RAP2, is a member of RAS oncogene family and a Ras-like small G protein. This protein shares 60% identity with Rap1A and exhibits a carboxy-terminal CAAX motif and two upstream cysteines similar to those of the H-Ras, K-Ras and N-Ras proteins. In contrast with Rap1A and Rap1B, overexpression of RAP2A does not interfere with the Ras signaling pathway. Recombinant human RAP2A 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> MREYKVVVLG SGGVGKSALT VQFVTGTFIE KYDPTIEDFY RKEIEVDSSP SVLEILD TAG
TEQFASMRDL YIKNGQGFI L VYSLVNQQSF QDIKPMRDQI IRVKRYEKVP VILVGNKVDL ESEREVSSE GRALAE EWGC
PFMETS AKSK TMVDELFAEI VRQMNYAAQP DKDDPCCSAC

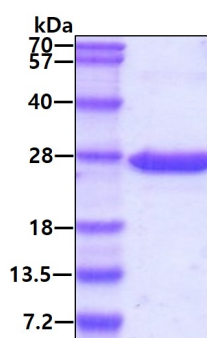
General References

Yaman E., et al. (2009) FEBS J. 276(16):4607-16.

Das R., et al. (2008) J Biol Chem. 283(28):19691-703.

DATA

SDS-PAGE



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