

Recombinant human PRKAR2A protein

Catalog Number: ATGP3050

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-404aa

UniProt No.

P13861

NCBI Accession No.

NP_004148

Alternative Names

cAMP-dependent protein kinase type II-alpha regulatory subunit, PKR2, PRKAR2

PRODUCT SPECIFICATION

Molecular Weight

48.6 kDa (434aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol, 1mM DTT

Purity

> 85% 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

PRKAR2A also known as cAMP-dependent protein kinase type II-alpha regulatory subunit. This subunit can be phosphorylated by the activated catalytic subunit. It may interact with various A-kinase anchoring proteins and determine the subcellular localization of cAMP-dependent protein kinase. Recombinant human PRKAR2A, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSMSHIQIP PGLTELLQGY TVEVLRQPP DLVEFAVEYF TRLREARAPA SVLPAATPRQ

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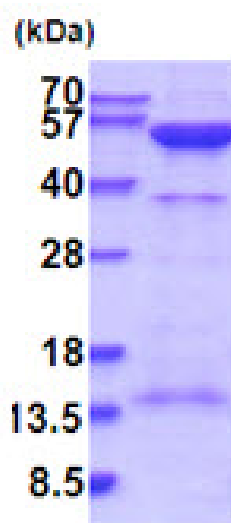
SLGHPPPEPG PDRVADAKGD SESEEDLE VPVPSRFNRR VSVCAETYNP DEEEEDTDPR VIHPKTDEQR CRLQEACKDI
LLFKNLDQEQ LSQVLDAMFE RIVKADEHVI DQGDDGDNFY VIERGTYDIL VTKDNQTRSV GOYDNRGSFG ELALMYNTPR
AATIVATSEG SLWGLDRVTF RRIIVKNNAK KRKMFESFIE SVPLLSLEV SERMKIVDVI GEKIYKDGGER IITQGEKADS
FYIIESGEVS ILIRSRTKSN KDGGNQEVEI ARCHKGQYFG ELALVTNKPR AASAYAVGDV KCLVMDVQAF ERLGPCMDI
MKRNISHYEE QLVKMFSSV DLGNLQ

General References

Yang H., et al. (2013) J. Biol. Chem. 288 (12), 8737-8749

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)