

PRKAR2A, 1-404aa, Human, His tag, E.coli

Cat.NO.: TP03525

3th Edition

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

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.

Form:Liquid, In Phosphate buffered saline (pH7.4) containing 10% glycerol, 1mM DTT

Molecular Weight:48.6kDa (434aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSMHIQIPPGLTELLQGYTVEVLRQQPPDLVEFAVEYFTRLREARAPASVLPAA
ATPRQSLGHPPPEPGPDRVADAKGDSESEDEDELEVPVPSRFNRRVSVCAETYNPDEEEEDTDPRVIHPKTDEQR
CRLQEACKDILLFKNLDQEQLSQVLDAMFERIVKADEHVIDQGDDGDNFYVIERGTYDILVTKDNQTRSVGGQYDNR
GSFGELALMYNTPRAATIVATSEGLWGLDRVTFRRRIIVKNNAKKRKMFESFIESVPLLKSLEVSERMKIVDVIGEKIY
KGERIITQGEKADSFYIIESGEVSILIRSRTKSNKDGGNQEVEIARCHKGQYFGELALVTNKPRAASAYAVGDVKCL
VMDVQAFERLLGPCMDIMKRNISHYEEQLVKMFGSSVDLGNLGQ

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.