

PRKAR2A recombinant protein

PRKAR2A, 1-404aa, Human, His tag, E Coli

CATALOG # AAA48893	HOST E Coli	APPLICATIONS SDS-Page
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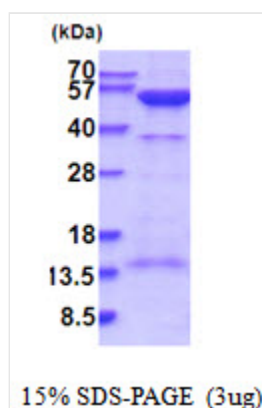
PRODUCT SYNONYMS

PRKAR2A; 1-404aa; Human; His tag; E Coli; cAMP-dependent protein kinase type II-alpha regulatory subunit; PKR2; PRKAR2; PRKAR2A recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 85% by SDS-PAGE
Form/Format	Liquid, In Phosphate buffered saline (pH 7.4) containing 10% glycerol, 1mM DTT
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MGSMShIQIP PGLTELLQGY TVEVLRQQPP DLVEFAVEYF TRLREARAPA SVLPAAATPRQ SLGHPPPEPG PDRVADAKGD SESEEDLE VPVPSRFNRR VSVCAETYNP DEEEEDTDPR VIHPKTDEQR CRLQEACKDI LLFKNLDQEQ LSQVLDAMFE RIVKADEHVI DQGDDGDNFY VIERGTIDIL VTKDNQTRSV GQYDNRGSFG ELALMYNTPR AATIVATSEG SLWGLDRVTF RRIIVKNNAK KRKMFEFIE SVPLLSLEV SERMKIVDVI GEKIYKDGGER IITQGEKADS FYIIESGEVS ILIRSRTKSN KDGGNQEVEI ARCHKGQYFG ELALVTNKPR AASAYAVGDV KCLVMDVQAF ERLLGPCMDI MKRNISHYEE QLVKMEGSSV DLGNLGQ
Sequence Length	404
Applicable Applications for PRKAR2A recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 2°C to 8°C for one week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

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

ADDITIONAL INFORMATION

Related Product Information for PRKAR2A recombinant protein	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.
Product Categories/Family for PRKAR2A recombinant protein	Signal Transduction
References	Yang H., et al. (2013) J. Biol. Chem. 288 (12), 8737-8749

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758958
NCBI GeneID	5576
NCBI Accession #	NP_004148
NCBI GenBank Nucleotide #	NM_004157.3
UniProt Accession #	P13861; Q16823; Q9BUB1
Molecular Weight	48.6kDa (434aa) confirmed by MALDI-TOF
NCBI Official Full Name	cAMP-dependent protein kinase type II-alpha regulatory subunit isoform a
NCBI Official Synonym Full Names	protein kinase cAMP-dependent type II regulatory subunit alpha
NCBI Official Symbol	PRKAR2A
NCBI Official Synonym Symbols	PKR2; PRKAR2
NCBI Protein Information	cAMP-dependent protein kinase type II-alpha regulatory subunit
UniProt Protein Name	cAMP-dependent protein kinase type II-alpha regulatory subunit
UniProt Gene Name	PRKAR2A
UniProt Synonym Gene Names	PKR2; PRKAR2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/prkar2a-recombinant-protein-e-coli-sds-page/48893>