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## Product Data Sheet

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Product Name: PRKAR2A Human

Cat. No.: GP22613

Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	cAMP-dependent protein kinase type II-alpha regulatory subunit; PKR2; PRKAR2.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMHIQIP PGLTELLQGY TVEVLRQQPP DLVEFAVEYF TRLREARAPASVLPAAATPRQ SLGHPPPEPG PDRVADAKGD SESEEDLE VPVPSRFNRR VSVCAETYNP DEEEEDTDPRVIHPKTDEQR CRLQEACKDI LLFKNLDQEQ LSQVLDAMFE RIVKADEHVI DQGDDGDNFY VIERGTYDILVTKDNQTRSV GQYDNRGSFG ELALMYNTPR AATIVATSEG SLWGLDRVTF RRIIVKNNAK KRKMFESFIESVPLLKSLEV SERMKIVDVI GEKIYKDGER IITQGEKADS FYIIESGEVS ILIRSRTKSN KDGGNQEVEIARCHKGQYFG ELALVTNKPR AASAYAVGDV KCLVMDVQAF ERLLGPCMDI MKRNISHYEE QLVKMFSSVDLGNLQ.		
Formulation	PRKAR2A protein solution (0.5mg/ml) in Phosphate buffered saline (pH7.4), 10% glycerol and 1mM DTT.		

**Introduction**

cAMP-dependent protein kinase type II-alpha regulatory subunit (PRKAR2A) can be phosphorylated by the activated catalytic subunit. PRKAR2A interacts with numerous A-kinase anchoring proteins and regulates the subcellular localization of cAMP-dependent protein kinase.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Background**

**Caution: Product has not been fully validated for medical applications. For research use only.**

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PRKAR2A Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 434 amino acids (1-404 a.a) and having a molecular mass of 48.6kDa. PRKAR2A is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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