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Product Datasheet

Recombinant Human PRKAR1A (C-6His) EBT-EPT222

Article Name	Recombinant Human PRKAR1A (C-6His)
Biozol Catalog Number	EBT-EPT222
Supplier Catalog Number	EPT222
Alternative Catalog Number	EBT-EPT222-50
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Human cAMP-dependent Protein Kinase Regulatory Type I-alpha is produced by our Mammalian expression system and the target gene encoding Glu2-Val381 is expressed with a 6His tag at the C-terminus....
Molecular Weight	Molecular weight: 44 KDa. Apparent molecular weight: 45-55 KDa, reducing conditions
UniProt	P10644
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes

Redissolve: Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.. Endotoxin: Less than 0.1 ng/ μ g (1 EU/ μ g) as determined by LAL test. Background: cAMP-dependent protein kinase type I-alpha regulatory subunit is an enzyme that in humans is encoded by the PRKAR1A gene. cAMP is a signaling molecule important for a variety of cellular functions. cAMP exerts its effects by activating the cAMP-dependent protein kinase A (PKA), which transduces the signal through phosphorylation of different target proteins. Four different regulatory subunits and three catalytic subunits of PKA have been identified in humans. The protein encoded by this gene is one of the regulatory subunits. This protein was found to be a tissue-specific extinguisher that down-regulates the expression of seven liver genes in hepatoma x fibroblast hybrids.