

Recombinant Human PKAc alpha (N-GST tag)

Cat No:HR2R1869

For research use only

Overview

Quantity	10 ?g
Gene Symbol	PKAca
Gene ID	N/A
Accession	NM_002730
Alternative Name	PKAa; cAPKa; MGC48865; MGC102831
Species	Human
Source	Insect cells
Description	The catalytic subunit C-alpha of PKA (PKAca) is a member of the Ser/Thr protein kinase family and has been assigned to chromosome region 19p13.1 . Null mutation in PKAca leads to early postnatal lethality in the majority of C-alpha knockout mice. Surprisingly, a small percentage of C-alpha knockout mice, although runted, survived to adulthood. In these animals, compensatory increases in C-beta levels occurred in brain whereas many tissues including skeletal muscle, heart, and sperm, contained less than 10% of the normal PKA activity .
Functions	The specific activity of PKAca was determined to be 1665 nmol/min/mg as per activity assay protocol.
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	69
Purity	70% - 90%
Concentration	
Shipping Condition	Dry Ice
Storage Condition	Store product at ?70?C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.