

Product: Protein Kinase C alpha, human, recombinant
Catalog #: 12-4352
Amount: 10 µg

DESCRIPTION: Recombinant human PKC-alpha (rHuPKC-a)
rHuPKC-a is a non-glycosylated polypeptide containing amino acids 2-672 having a molecular mass of 80kDa. This protein is the full-length form of the protein with an amino acid terminal poly His-tag

SOURCE: *Sf9 insect cells*

PURITY: > 95%, as determined by SDS-PAGE

UNIT DEFINITION: 1Unit of PKC-alpha activity transfers 1 nmole of phosphate to a PKC substrate peptide (myelin basic protein 4-14) per minute at 30°C
rHuPKC-a also phosphorylates full-length myelin basic protein, histone, MARKS, and GSK-3 beta. Activity requires incubation with lipid activators, and may vary depending on the substrate and reaction conditions

BIOLOGICAL ACTIVITY: 7200-9000 Units/mg

FORM: Purified, in 50 mM Tris, pH 7.4 0.1 M NaCl, 20% glycerol, 1 mM DTT, 0.1 mM EDTA, 0.2 mM PMSF and 0.03% Brij-35

STORAGE: -20°C (aliquot), avoid freezing and thawing cycles

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