

Human PKC iota Protein

Cat. No. PKC-HB101

Description

Source	Recombinant Human PKC iota Protein is expressed from Baculovirus-Insect Cells with His tag at the C-terminus. It contains Met10-Val596.
Accession	P41743
Molecular Weight	The protein has a predicted MW of 68.78 kDa. Due to glycosylation, the protein migrates to 90-110 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

Formulation and Storage

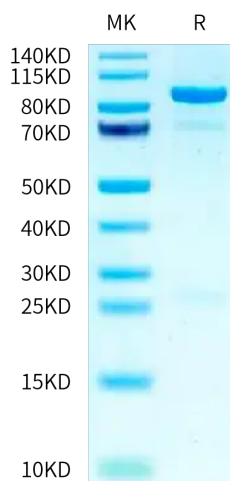
Formulation	Supplied as 0.22 µm filtered solution in 50mM Tris, 100mM NaCl, 0.5mM GSH, 0.5mM PMSF, 10% glycerol (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

PKClambda/iota belongs to the third group of the PKC family, atypical PKC (aPKC), together with PKCzeta based on its sequence divergence from conventional and novel PKCs observed not only in the N-terminal regulatory domain but also in the kinase domain. Although one of the most distinct features of aPKC is its single, un-repeated cysteine-rich domain, recent studies have revealed that the N-terminal regulatory domain has additional aPKC-specific structural motifs involved in various protein-protein interactions, which are important for the regulation and the subcellular targeting of aPKC.

Assay Data

Tris-Bis PAGE



Human PKC iota on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.