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Recombinant Human cGMP-Dependent Protein Kinase 1/PRKG1 Protein(C-6His)

产品货号: TP05703

第三版

别名:cGMP-Dependent Protein Kinase 1; cGK 1; cGK1; cGMP-Dependent Protein Kinase I; cGKI; PRKG1; PRKG1B; PRKGR1A; PRKGR1B

描述:cGMP-Dependent Protein Kinase 1 (PRKG1) belongs to the protein kinase superfamily and AGC Ser/Thr protein kinase family. PRKG1 contains one AGC-kinase C-terminal domain, two cyclic nucleotide-binding domains, and one protein kinase domain. PRKG1 is mainly expressed in the lung and placenta. PRKG1 acts as a key mediator of the nitric oxide (NO)/cGMP signaling pathway. PRKG1 can phosphorylate many proteins that regulate platelet activation and adhesion, smooth muscle contraction, cardiac function, gene expression, feedback of the NO-signaling pathway, and other processes involved in several aspects of the CNS like axon guidance, hippocampal and cerebellar learning, circadian rhythm, and nociception.

配方:PBS

分子量:78.8 kDa

序列:Gly2-Pro686

纯度:> 95% by HPLC

浓度:

内毒素:<1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在-20 ° C或者-70 ° C. 避免反复冻融.