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PCK1, 1-622aa, Human, His tag, E.coli

产品货号: TP03305

第三版

别名: Phosphoenolpyruvate carboxykinase 1, PEPCK-C, PEPCK1, PEPCKC.

描述: Phosphoenolpyruvate carboxykinase 1, also known as PCK1, is a main control point for the regulation of gluconeogenesis. PCK1 plays an important role in this process by stimulating hepatic glucose production. The expression of PCK1 can be regulated by insulin, glucocorticoids, glucagon, cAMP, and diet. Modulation of the signals governing PCK1 levels presents a potential therapeutic approach to the treatment of Insulin resistance and consequently obesity.

配方: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl

分子量: 71.7 kDa (646aa)

序列:

MGSSHHHHHHSSGLVPRGSHMGSHMPPQLQNGLNLSAKVVQGSLSLDPQAVREFLENNAEELCQPDHIIHICDGSEEENG
RLLGQMEEEGILRRLKKYDNCWLALDPRDVARIKSTVIVTQEQRDTPVIPKTGLSQLGRWMSEEDFEKAFNARFPGCM
KGRMYYVIPFSMGLGSPKIGIELTDSYVVASMRIMTRMGTPVLEALGDGEFVKCLHSGCPLPLQKPLVNNWPCNPE
LTLIAHLPDRREIISFGSGYGGNSLLGKCFALRMASRLAKEEGWLAEHMLVLGITNPEGEKKYLAAAFPSACGKTNLMM
NPSPGKWKVECVGDDIAWMKFDAQGHLRAINPENGFFGVAPGTSVKTNPNAIKTIQKNTIFTNVAETSDDGGVYWEGIDE
PLASGVTITSWKNKEWSSDGEPCAHNSRFCTPASQCPIIDAAWESPEGVPIEGIIIFGGRRPAGVPLVYEALSWQHGVFVG
AAMRSEATAAAEHKGIIMHDPFAMRPFYGFYNGKYLAWLSMAQHAAKLPKIFHVNWFRKDKEGKFLWPGFGENS
VLEWFMFNRIDGKASTKLTPIGYIPKEDALNLKGLGHINMMELFISISKEFWEKEVEDIEKYLEQVNADLPCEIEREILALKQR
ISQM

纯度: > 95% by HPLC

浓度: 0.5 mg/ml (determined by Bradford assay)

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.