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Hexokinase 4 Human, His-tagged, Recombinant, E.coli

产品货号: TP02444

第三版

别名: Hexokinase type IV, Glucokinase, GCK

描述: Hexokinase is the first enzyme in the glycolytic pathway, catalyzing the transfer of a phosphoryl group from ATP to glucose to form glucose-6-phosphate and ADP. In mammals, four distinct enzymes-types 1 to 4 hexokinases-have been identified. The enzyme is found in most cells, but there is tissue specificity for the particular type of hexokinase. Hexokinase4 is found in the liver and pancreatic beta-cells, where it is controlled by insulin (activation) and glucagon (inhibition). In pancreatic beta-cells, type IV enzyme acts as a glucose sensor to modify insulin secretion.

配方: Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

分子量: 54.3kDa (485aa)

序列:

MGSSHHHHHSSGLVPRGSHMLDDRRARMEAAKKEKVEQILAEFQLQEEDLKKVMRRMQKEMDRGLRLETHEEASVKM
LPTYVRSTPEGSEVGDFLSLDLGGTNFRVMLVKVGEEGEQWSVKTKHQMYSIPEDAMTGTAEMLFDYISECISDFLDKH
QMKHKKLPLGFTFSFPVRHEDIDKGILLNWTGFKASGAEGNNVVGLLRDAIKRRGDFEMDVVAMVNDTVATMISCYY
EDHQCEVGMIVGTGCNACMEEMQNVELVEGDEGRMCVNTEWGAFGDSGELDEFLLLEYDRLVDESSANPGQQLYEKL
IGGKYMGELVRLVLLRLVDENLLFHGEASEQLRTRGAFETRFVSQVESDTGDRKQIYNILSTLGLRPSTTDCDIVRRACESVS
TRAAHMCSAGLAGVINRMRESRSEDVMRITVGVDGSVYKLPSPFKERFHASVRRLTPSCEITFIESEEGSGRGAALVSAVAC
KKACMLGQ

纯度: > 95% by HPLC

浓度: 1 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.