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NRK1, 1-199aa, Human, His tag, E.coli

产品货号: TP03200

第三版

别名: Nicotinamide riboside kinase 1 isoform 1, bA235O14.2, NRK1, RP11-235O14.2.

描述: NRK1 belongs to the uridine kinase family. NAD⁺ is essential for life in all organisms, both as a coenzyme for oxidoreductases and as a source of ADP-ribose groups used in various reactions, including those that retard aging in experimental systems. Nicotinic acid and nicotinamide were defined as the vitamin precursors of NAD⁺. This enzyme catalyzes the phosphorylation of nicotinamide riboside (NR) and nicotinic acid riboside (NaR) to form nicotinamide mononucleotide (NMN) and nicotinic acid mononucleotide (NaMN).

配方: Liquid. In 20 mM Tris-HCl buffer, pH8.0, 10% glycerol, 2mM DTT, 200mM NaCl

分子量: 25.6kDa (222aa), confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGSMKTFIIGISGVTNSGKTTLAKNLQKHLPNCSVISQDDFFKPESEIETDKNGFLQYDVL
EALNMEKMMSAISCWMESARHSVSTQESAEEIPILIEGFLFNKYPLDTIWNRSYFLTIPYEECKRRRSTRVYQPPDSPGY
FDGHVWPMYLYRQEMQDITWEVVYLDGKSEEDLFLQVYEDLIQELAKQKCLQVTA

纯度: > 95% by HPLC

浓度: 0.5mg/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.