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GNPDA1, 1-289aa, Human, His tag, E.coli

产品货号: TP02298

第三版

别名: Glucosamine-6-phosphate isomerase 1, GNP1, GNPDA, GNPI, GPI, HLN, Oscillin

描述: Glucosamine-6-phosphate isomerase 1, also known as GNPDA1, catalyzes the conversion of glucosamine-6-phosphate to fructose-6-phosphate, a reaction that under physiological conditions proceeds to the formation of fructose-6-phosphate. It exist is ubiquitously expressed with highest expression in testes, ovary and heart. In addition, GNPDA1 triggers calcium oscillations in mammalian eggs.

配方: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol, 50mM NaCl

分子量: 34.8 kDa (309aa), confirmed by MALDI-TOF

序列:

MGSSHHHHHHSSGLVPRGSHMKLIILEHYSQASEWAAKYIRNRIIQFNPGPEKYFTLGLPTGSTPLGICYKKLIEYYKNGDLS
FKYVKTFFNMDEYVGLPRDHPESYHSFMWNNFFKHIDIHPENTHILDGNAVDLQAECDAFEKIKAAAGGIELFVGGIGPDG
HIAFNEPGSSLVSRTRVKTLAMDTILANARFFDGELTKVPTMALTVGVTVM DAREVMILITGAHKAFALYKAIEEGVNH
MWTVSAFQQHPRTVFCDE DATLELKVKT VKYFKGLMLVHNKLVDP LYSIKEKETEK SQSSKKPYSD

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.