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NMNAT1, 1-279aa, Human, His tag, E.coli

产品货号: TP03175

第三版

别名: Nicotinamide nucleotide adenylyltransferase 1, NMNAT, PNAT1

描述: NMNAT1, also known as NMNAT or PNAT1, is a central enzyme in NAD biosynthesis, catalyzing the condensation of nicotinamide mononucleotide (NMN) or nicotinic acid mononucleotide (NaMN) with the AMP moiety of ATP to form NAD or NaAD. It is widely expressed with high levels in skeletal muscle, heart, liver and kidney. This protein appears to have the ability to protect against axonal degeneration following mechanical or toxic insults.

配方: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.1M NaCl, 1mM DTT, 1mM EDTA

分子量: 36.0 kDa (315aa) confirmed by MALDI-TOF

序列:

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGS MENSEKTEVLLACGSFN PITNMHLR LFELAKDY MNGT
GRYTVVKGII SPVGDAYKKKGLIPAYHRVIMAE LATKNSKWVEVDTWESLQKEWKETLKVLRHHQEKLEASDCDHQQN
SPTLERPGRKRKWTETQDSSQKKSLEPKTKAVPKVKLLCGADLLESFAV PNLWKS EDITQIVANYGLICVTRAGNDAQKFI
YESDVLWKHRSNIHV VNEWIANDISSTKIRRALRRGQSIRYLVPDLVQEYIEKHNLYSSESEDRNAGVILAPLQRNTAEAKT

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.