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NUDT14, 1-222aa, Human, His tag, E.coli

产品货号: TP03224

第三版

别名: Uridine diphosphate glucose pyrophosphatase, UGPP, UGPPase

描述: Uridine diphosphate glucose pyrophosphatase, also known as NUDT14, is a 222 amino acid cytoplasmic protein that contains one nudix hydrolase domain and belongs to the nudix hydrolase family. NUDT14 hydrolyzes ADP-ribose into ribose 5-phosphate and AMP, and UDP-glucose to glucose 1-phosphate and UMP. Existing as a homodimer, NUDT14 binds magnesium as a cofactor and is encoded by a gene located on human chromosome 14. Recombinant human NUDT14 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

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

分子量: 26.5 kDa (245aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGSMERIEGASVGRCAASPYLRPLTLHYRQNGAQKSWDFMKT HDSVTVLLFNSSRRSLV
LVKQFRPAVYAGEVERRFPGLAAVDQDGPRELQPALPGSAGVTVELCAGLVDQPGLSLEEVACKEAWEECGYHLAPSDL
RRVATYWSGVGLTGSRQTMFYTEVTDAQRSGPGGGLVEEGELIEVVHLPLEGAQAFADDPDIPKTLGVIFGVSWFLSQVA
PNLDLQ

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.