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GMPR, 1-345aa, Human, His tag, E.coli

产品货号: TP02281

第三版

别名: Guanosine monophosphate reductase, GMPR1.

描述: GMPR, also known as guanosine monophosphate reductase, catalyzes the irreversible NADPH-dependent deamination of GMP to IMP. It functions in the conversion of nucleobase, nucleoside and nucleotide derivatives of G to A nucleotides, and in maintaining the intracellular balance of A and G nucleotides. Recombinant human GMPR protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

配方: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 40% glycerol, 0.15M NaCl, 1mM DTT

分子量: 39.5 kDa (365aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHHSSGLVPRGSHMPRIDADLKLDKDFKDVLLRPKRSSLKSRAEVDLERTFTFRNSKQTYSGIPIIVANMDTVGTF
EMAAVMSQHSMTAIHKHYSLDDWKL FATNHPECLQNVAVSSGSGQNDLEKMTSILEAVPQVKFICLDVANGYSEHFVE
FVKLVRAKFPEHTIMAGNVVTGEMVEELILSGADIKVGVGPGSVCTTRTKTG VGY PQLSAVIECADSAHGLKGHIISDGG
CTCPGDVAKAFGAGADFV MLGGMFSGHTECAGEVIERNRKLKLFYGMSSDTAMNKHAGGVAEYRASEGKTVEVPYK
GDVENTILDILGGLRSTCTYVGA AKL KELSRRATFIRVTQQHNTVFS

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.