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ppiA, 1-164aa, Mouse His tag, E.coli

产品货号: TP03486

第三版

别名:Peptidyl-prolyl cis-trans isomerase A, 2700098C05 Cphn, CyP-18, CypA

描述:ppiA also known as Peptidyl-prolyl cis-trans isomerase A. This is an enzyme found in both prokaryotes and eukaryotes that interconverts the cis and trans isomers of peptide bonds with the amino acid proline. Proline has an unusually conformationally restrained peptide bond due to its cyclic structure with its side chain bonded to its secondary amine nitrogen. Most amino acids have a strong energetic preference for the trans peptide bond conformation due to steric hindrance, but proline's unusual structure stabilizes the cis form so that both isomers are populated under biologically relevant conditions. Recombinant mouse ppiA, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方:Liquid, In Phosphate buffered saline (pH7.4) containing 10% glycerol, 1mM DTT

分子量:20.4kDa (187aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGSMVNPTVFFDITADDEPLGRVSEFADFADKVPKTAENFRALSTGEKGFYKSSFHRIIP
GFMCQGGDFTRHNGTGGRSIYGEKFEDENFILKHTGPGILSMANAGPNTNGSQFFICTAKTEWLDGKHVVFGKVKEGM
NIVEAMERFGSRNGKTSKKITISDCGQL

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.