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Ppif, 30-206aa, Rat, His tag, E.coli

产品货号: TP03490

第三版

别名:Peptidyl-prolyl cis-trans isomerase F, mitochondrial, CyP-D, CypD, PPIase

描述:Ppif also known as Peptidyl-prolyl cis-trans isomerase F, mitochondrial. Ppif accelerates the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and involved in regulation of the mitochondrial permeability transition pore (mPTP). It is proposed that its association with the mPTP is masking a binding site for inhibiting inorganic phosphate (Pi) and promotes the open probability of the mPTP leading to apoptosis or necrosis the requirement of the PPIase activity for this function is debated. Recombinant rat Ppif 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:21.2Da (200aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGSCSDGGARGANSSSQNPLVYLDVGADGQPLGRVVLELKADVVPKTAENFRALCTGE
KGFYKGFSTFHRVIPAFMCQAGDFTNHNGTGGKSIYGSRFPDENFTLKHVGPVLSMANAGPNTNGSQFFICTIKTDWL
DGKHVVFGHVKEGMDVVKKIESFGSKSGKTSKKIVITDCGQLS

纯度:> 95% by HPLC

浓度:1mg/ml (determined by Absorbance at 280nm)

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.