

TPK1, 1-243aa, Human, His tag, E.coli

Cat.NO.: TP04283

3th Edition

Synonyms:Thiamin pyrophosphokinase 1, HTPK1, PP20

Description:TPK1, also known as thiamin pyrophosphokinase 1, catalyzes the phosphorylation of thiamine to thiamine pyrophosphate. This protein can also catalyze the phosphorylation of pyrithiamine to pyrithiamine pyrophosphate. Recombinant human TPK1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 1mM DTT

Molecular Weight:29.8 kDa (267aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMEHAFTPLELLSTGNLKYCLVILNQPLDNYFRHLWNKALLRACADGGAN
RLYDITEGERESFLPEFINGDFDSIRPEVREYYATKGCELSTPDQDHTDFTKCLKMLQKKIEEKDLKVDVIVTLGGLA
GRFDQIMASVNTLFQATHITPFPIIIIIQEEELIYLLQPGKHLHVDVTGMEGDWCGLIPVGQPCMQVTTTGLKWNLND
VLAFGTLVSTSNYDGSVVTVETDHPDLLWTMAIKS

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.