

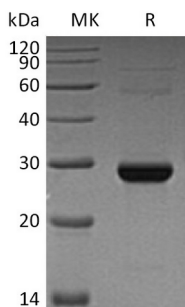
Product Name: Recombinant Human TK1 (C-6His)
Catalog #: PHH1641



概述 (Summary)

英文全称	Thymidine kinase, cytosolic/TK1
纯度 (Purity)	Greater than 95% as determined by reducing SDS-PAGE
内毒素 (Endotoxin level)	<1 EU/μg as determined by LAL test.
蛋白构建 (Construction)	Recombinant Human Thymidine Kinase, Cytosolic is produced by our Mammalian expression system and the target gene encoding Met1-Asn234 is expressed with a 6His tag at the C-terminus.
Accession #	P04183
蛋白标签 (Tag)	
表达宿主 (Host)	Human Cells
种属 (Species)	Human
预测分子量 (Predicted MW)	26.5 KDa
蛋白形态 (Form)	Supplied as a 0.2 μm filtered solution of 20 mM Tris-HCl, 5% Trehalose, 5% Mannitol, 500 mM NaCl, 2 mM EDTA, 10% Glycerol, 1 mM DTT, 0.05% Tween80, pH8.0.
储存缓冲液 (Buffer)	
运输方式 (Shipping)	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存 (Stability &Storage)	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
复溶 (Reconstitution)	

电泳图 (SDS-PAGE image)



背景 (Background)

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分子别名 (Alternative Names)

Thymidine kinase; cytosolic; TK1

背景介绍 (References)

Thymidine kinase 1(TK1) belongs to the thymidine kinase family. It is located in the cytoplasm, and phosphorylated on Ser-13 in mitosis during post-translational modification. Two forms of this protein have been identified in animal cells, one in cytosol TK1 and one in mitochondria TK2. Thymidine kinases have a key function in the synthesis of DNA and thereby in cell division, as they are part of the unique reaction chain to introduce deoxythymidine into the DNA. Activity of the cytosolic enzyme is high in proliferating cells and peaks during the S-phase of the cell cycle, while it is very low in resting cells. TK1 acts as a homotetramer, and can transform thymidine to thymidine 5-phosphate with the help of ATP

注意事项 (Note)

For Research Use Only , Not for Diagnostic Use.