

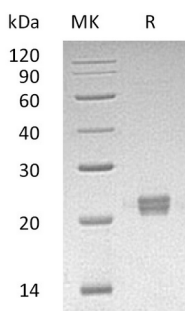
Product Name: Recombinant Human ITPase (C-6His)
Catalog #: PEH0951



概述 (Summary)

英文全称	Inosine triphosphate pyrophosphatase/ITPA
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 Inosine Triphosphate Pyrophosphatase is produced by our E.coli expression system and the target gene encoding Ala2-Ala194 is expressed with a 6His tag at the C-terminus.
Accession #	Q9BY32
蛋白标签 (Tag)	
表达宿主 (Host)	E.coli
种属 (Species)	Human
预测分子量 (Predicted MW)	22.5 KDa
蛋白形态 (Form)	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 5% Trehalose, 300mM NaCl, 30% Glycerol, 0.05% Tween 80, 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)

Inosine Triphosphate Pyrophosphatase; ITPase; Inosine Triphosphatase; Non-Canonical Purine NTP Pyrophosphatase; Non-Standard Purine NTP Pyrophosphatase; Nucleoside-Triphosphate Diphosphatase; Nucleoside-Triphosphate Pyrophosphatase; NTPase; Putative Oncogene Protein hlc14-06-p; ITPA; C20orf37

背景介绍 (References)

Inosine Triphosphate Pyrophosphatase (ITPase) is a cytoplasmic enzyme that belongs to the HAM1 NTPase family. ITPase hydrolyzes the non-canonical purine nucleotides inosine triphosphate (ITP) and deoxyinosine triphosphate (dITP) to the monophosphate nucleotide (IMP) and diphosphate. The ITPase enzyme acts as a homodimer and does not distinguish between the deoxy- and ribose forms. ITPase probably excludes non-canonical purines from RNA and DNA precursor pools, thus preventing their incorporation into RNA and DNA and avoiding chromosomal lesions. Defects in ITPase is thought to be inherited and is characterized by an over-accumulation of ITP in erythrocytes, leukocytes and fibroblasts.

注意事项 (Note)

For Research Use Only , Not for Diagnostic Use.