

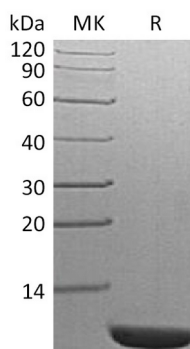
Product Name: Recombinant *S. cerevisiae* TIM14
Catalog #: PEV1649

概述 (Summary)

英文全称	TIM14
纯度 (Purity)	Greater than 95% as determined by reducing SDS-PAGE
内毒素 (Endotoxin level)	<1 EU/ μ g as determined by LAL test.
蛋白构建 (Construction)	Recombinant <i>S. cerevisiae</i> Mitochondrial Import Inner Membrane Translocase Subunit TIM14 is produced by our E.coli expression system and the target gene encoding Phe99-Lys168 is expressed.
Accession #	Q07914
蛋白标签 (Tag)	
表达宿主 (Host)	E.coli
种属 (Species)	<i>S. cerevisiae</i>
预测分子量 (Predicted MW)	7.9 KDa
蛋白形态 (Form)	Lyophilized from a 0.2 μ m filtered solution of 20mM Tris-HCl, 300mM NaCl, pH 8.0.
储存缓冲液 (Buffer)	
运输方式 (Shipping)	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存 (Stability &Storage)	Store at $\leq -70^{\circ}\text{C}$, stable for 6 months after receipt. Store at $\leq -70^{\circ}\text{C}$, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
复溶 (Reconstitution)	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

电泳图 (SDS-PAGE image)

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背景 (Background)

分子别名 (Alternative Names)

Mitochondrial import inner membrane translocase subunit TIM14; Presequencetranslocated-associated motor subunit PAM18; PAM18; TIM14

背景介绍 (References)

Mitochondrial import inner membrane translocase subunit TIM14 (TIM14) is an essential component of the PAM complex. PAM complex is required for the translocation of transit peptide-containing proteins from the inner membrane into the mitochondrial matrix in an ATP-dependent manner. In the complex, TIM14 is required to stimulate activity of mtHSP70 (SSC1). TIM14 belongs to the DnaJ family, which has been involved in Hsp40/Hsp70 chaperone systems. As a mitochondrial chaperone, TIM14 functions as part of the TIM23 complex import motor to facilitate the import of nuclear-encoded proteins into the mitochondria. TIM14 also complexes with prohibitin complexes to regulate mitochondrial morphogenesis, and has been implicated in dilated cardiomyopathy with ataxia.

注意事项 (Note)

For Research Use Only , Not for Diagnostic Use.