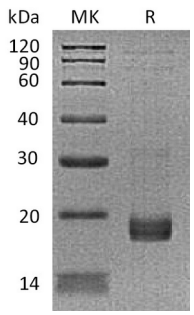
产品名称：Recombinant Human TNNC1 (N-6His)
产品货号：PEH1894

概述（Summary）

英文全称	Troponin C/TN-C/TNNC1
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 Slow Skeletal And Cardiac Muscles is produced by our E.coli expression system and the target gene encoding Met1-Glu161 is expressed with a 6His tag at the N-terminus.
Accession #	P63316
表达宿主（Host）	E.coli
种属（Species）	Human
预测分子量（Predicted MW）	19.8 KDa
制剂（Form）	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 100mM NaCl, 1mM DTT, 10% Glycerol, pH 8.0.
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）	CMH7; TNNC1; TNNI3; Troponin I
背景介绍（References）	Troponin I, also known as TNI, is a 24 kDa component of a protein complex on striated muscle thin filaments.Troponin is the central regulatory protein of striated muscle contraction. Tn consists of three components: Tn-I which is the inhibitor of actomyosin ATPase, Tn-T which contains the binding site for tropomyosin and Tn-C. The binding of calcium to Tn-C abolishes the inhibitory action of Tn on actin filaments. Troponin I inhibits the calcium-dependent muscle contraction mediated by Troponins C and T. The expression of cardiac Troponin I (TNNI3) is restricted to cardiac muscle, while TNNI1 and TNNI2 (encoded by distinct genes) are expressed in skeletal muscle. Mutations of cardiac Troponin I are associated with heriditary cardiomyopathy. Human cardiac Troponin I shares 93% amino acid sequence identity with mouse and rat cardiac Troponin I.

注意事项（Note）

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