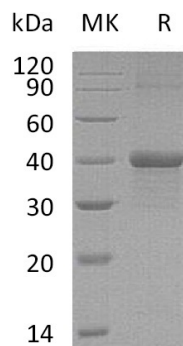


Product Name: Recombinant Mouse Carbonic Anhydrase 14 (N-6His)
Catalog #: PEM0221

概述 (Summary)

英文全称	Carbonic Anhydrase XIV/CA14
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 Mouse Carbonic Anhydrase 14 is produced by our E.coli expression system and the target gene encoding Ala16-Met290 is expressed with a 6His tag at the N-terminus.
Accession #	Q9WVT6
蛋白标签 (Tag)	
表达宿主 (Host)	E.coli
种属 (Species)	Mouse
预测分子量 (Predicted MW)	32.3 KDa
蛋白形态 (Form)	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.0.
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)

Carbonic Anhydrase 14; Carbonate Dehydratase XIV; Carbonic Anhydrase XIV; CA-XIV; CA14

背景介绍 (References)

Mouse Ca14, also known as Carbonic anhydrase 14, is a member of large family of zinc metalloenzymes. It could catalyze reversible hydration of carbon dioxide. The reaction is fundamental to many processes such as respiration, renal tubular acidification and bone resorption. Fifteen CA isoforms have been reported so far. They have different patterns of tissue-specific expression and physiologic roles. Some CAs may serve as markers for tumors and hypoxia. CA XIV is a polypeptide consisting of an extracellular N-terminal catalytic domain, a membrane-spanning segment and a short intracellular C-terminal segment with several potential phosphorylation sites. A subset of CAs lack CA activity due to point mutations but retain esterase function. CA14 is widely expressed in the central nervous system

注意事项 (Note)

For Research Use Only , Not for Diagnostic Use.