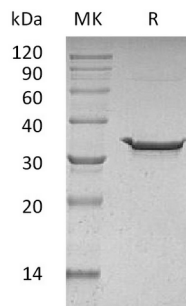


Product Name: Recombinant Human Carbonic Anhydrase 5B (C-6His)
Catalog #: PEH0214

概述 (Summary)

英文全称	Carbonic Anhydrase VB/CA5B
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 Carbonic Anhydrase 5B is produced by our E.coli expression system and the target gene encoding Cys34-Pro317 is expressed with a 6His tag at the C-terminus.
Accession #	Q9Y2D0
蛋白标签 (Tag)	
表达宿主 (Host)	E.coli
种属 (Species)	Human
预测分子量 (Predicted MW)	33.77 KDa
蛋白形态 (Form)	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 100mM 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)

分子别名 (Alternative Names) Carbonic Anhydrase 5B Mitochondrial; Carbonate Dehydratase VB; Carbonic

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背景介绍 (References)

Anhydrase VB; CA-VB; CA5B

Carbonic Anhydrase 5B (CA5B) is a member of alpha-carbonic anhydrase family (CAs) that catalyze the reversible hydration of carbon dioxide. CAs is associated with many biological processes, including calcification, respiration, bone resorption, acid-base balance and the formation of aqueous humor. CA5B is highly expressed in heart, pancreas, kidney, placenta, lung, and skeletal muscle, but it is restricted to the liver. CA5B is localized in the mitochondria and shows the highest sequence similarity to the other mitochondrial CA, CA-VA. CA5B is inhibited by coumarins, sulfonamide derivatives such as acetazolamide (AZA), saccharin, and Foscarnet.

注意事项 (Note)

For Research Use Only , Not for Diagnostic Use.