

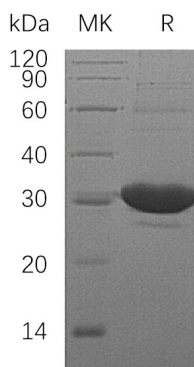
Product Name: Recombinant Human DCXR (N-6His)
Catalog #: PEH1109



概述 (Summary)

英文全称	L-xylulose reductase/DCXR
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 L-Xylulose Reductase is produced by our E.coli expression system and the target gene encoding Met1-Cys244 is expressed with a 6His tag at the N-terminus.
Accession #	Q7Z4W1
蛋白标签 (Tag)	
表达宿主 (Host)	E.coli
种属 (Species)	Human
预测分子量 (Predicted MW)	28.1 KDa
蛋白形态 (Form)	Supplied as a 0.2 μm filtered solution of 50mM Tris-HCl, 150mM NaCl, 1mM DTT, 30% Glycerol, 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)

L-Xylulose Reductase; XR; Carbonyl Reductase II; Dicarbonyl/L-Xylulose Reductase; Kidney Dicarbonyl Reductase; kiDCR; Sperm Surface Protein P34H; DCXR

背景介绍 (References)

L-Xylulose Reductase is an enzyme that belongs to the Short-Chain Dehydrogenases/Reductases (SDR) family. L-Xylulose Reductase is responsible for the metabolism of Xylulose, converting it into Xylitol. L-Xylulose Reductase catalyzes the NADPH-dependent reduction of several Pentoses, Tetroses, Trioses, α -Dicarbonyl compounds and L-Xylulose. L-Xylulose Reductase participates in the Uronate Cycle of Glucose metabolism. It may play a role in the water absorption and cellular osmoregulation in the proximal renal tubules by producing Xylitol, an osmolyte, thereby preventing osmolytic stress from occurring in the renal tubules.

注意事项 (Note)

For Research Use Only , Not for Diagnostic Use.