

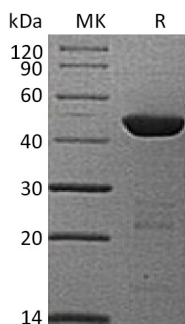
产品名称: Recombinant Human 4HPPD (N-6His)
产品货号: PEH0806



概述 (Summary)

英文全称	HPD/PPD/4HPPD/HPPDase
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 4-Hydroxyphenylpyruvate Dioxygenase is produced by our E.coli expression system and the target gene encoding Met1-Met393 is expressed with a 6His tag at the N-terminus.
Accession #	P32754
表达宿主 (Host)	E.coli
种属 (Species)	Human
预测分子量 (Predicted MW)	47.1 KDa
制剂 (Form)	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 50mM NaCl, 1mM DTT, 20% 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)

4-Hydroxyphenylpyruvate Dioxygenase; 4-Hydroxyphenylpyruvic Acid Oxidase; 4HPPD; HPD; HPPDase; HPD; PPD

背景介绍 (References)

4-Hydroxyphenylpyruvate Dioxygenase (4HPPD) belongs to the 4HPPD family. 4HPPD is a key enzyme in the degradation of tyrosine, which catalyzes the second reaction in the catabolism of tyrosine the conversion of 4-hydroxyphenylpyruvate to homogentisate. 4HPPD exists in homodimer forms, which uses zinc as a cofactor to catalyze the third step in the conversion of L-phenylalanine to fumarate and acetoacetic acid. When the active 4HPPD enzyme concentration is low in the human body, it results in high levels of tyrosine concentration in the blood, which can cause mild mental retardation at birth, and degradation in vision as a patient grows older.

注意事项 (Note)

For research use only .