

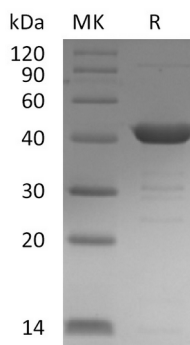
Product Name: Recombinant Human UPB1 (C-6His)
Catalog #: PEH0174



概述 (Summary)

英文全称	BUP-1/UPB1/ β -ureidopropionase
纯度 (Purity)	Greater than 95% as determined by reducing SDS-PAGE
内毒素 (Endotoxin level)	<1 EU/ μ g as determined by LAL test.
蛋白构建 (Construction)	Recombinant Human Beta-Ureidopropionase is produced by our E.coli expression system and the target gene encoding Met1-Glu384 is expressed with a 6His tag at the C-terminus.
Accession #	Q9UBR1
蛋白标签 (Tag)	
表达宿主 (Host)	E.coli
种属 (Species)	Human
预测分子量 (Predicted MW)	44.22 KDa
蛋白形态 (Form)	Supplied as a 0.2 μ m filtered solution of PBS, pH 7.4.
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 $\leq -70^{\circ}\text{C}$, stable for 6 months after receipt. Store at $\leq -70^{\circ}\text{C}$, 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)

Beta-Ureidopropionase; BUP-1; Beta-Alanine Synthase; N-Carbamoyl-Beta-Alanine Amidohydrolase; UPB1; BUP1

背景介绍 (References)

β -Ureidopropionase is a cytoplasmic protein which belongs to the CN hydrolase family of BUP subfamily. β -Ureidopropionase binds one zinc ion per subunit, catalyzes the last step in the pyrimidine degradation pathway. β -Ureidopropionase can convert N-carbamyl-beta-aminoisobutyric acid and N-carbamyl-beta-alanine to beta-aminoisobutyric acid and beta-alanine, ammonia and carbon dioxide, respectively. The pyrimidine bases uracil and thymine are degraded via the consecutive action of dihydropyrimidine dehydrogenase (DHPDH), dihydropyrimidinase (DHP) and beta-ureidopropionase (UP) to beta-alanine and beta aminoisobutyric acid, respectively. Defects in β -Ureidopropionase are the cause of β -Ureidopropionase deficiency that is characterized by muscular hypotonia, dystonic movements, scoliosis, microcephaly and severe developmental delay.

注意事项 (Note)

For Research Use Only , Not for Diagnostic Use.