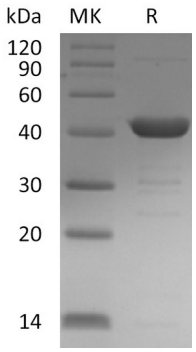
产品名称：Recombinant Human UPB1 (C-6His)
产品货号：PEH0174

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/μg 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
表达宿主（Host）	E.coli
种属（Species）	Human
预测分子量（Predicted MW）	44.22 KDa
制剂（Form）	Supplied as a 0.2 μm filtered solution of PBS, pH 7.4.
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）	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）

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