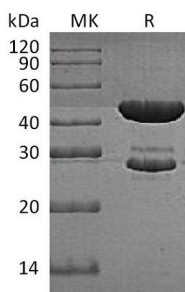


Product Name: Recombinant E.coli Trp synthase (N-6His)
Catalog #: PEV1735

概述 (Summary)

英文全称	Tryptophan Synthase
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 E.coli Tryptophan Synthase is produced by our E.coli expression system and the target gene encoding Met1-Ser268&Thr2-Ile397 is expressed with a 6His tag at the N-terminus.
Accession #	P0A877&P0A879
蛋白标签 (Tag)	
表达宿主 (Host)	E.coli
种属 (Species)	E.coli
预测分子量 (Predicted MW)	28.7&43.8 KDa
蛋白形态 (Form)	Supplied as a 0.2 μm 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 ≤-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)	Tryptophan synthetase; Tryptophan synthase
背景介绍 (References)	Tryptophan synthase is a multienzyme $\alpha_2\beta_2$ complex composed of two

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protein subunit. Tryptophan synthase catalyzes the last two steps in the synthesis of L-tryptophan (L-Trp). The α -subunit catalyzes cleavage of 3-indole-d-glycerol 3'-phosphate (IGP) to give indole and D-glyceraldehyde 3'-phosphate (G3P). Indole is then transferred through a 25-Å hydrophobic tunnel to the β -subunit. The β 2 subunit contains pyridoxal 5-phosphate and catalyzes several pyridoxal 5-phosphate-dependent reactions, including/3-elimination reactions 6 and a thiol-dependent transamination reaction. This enzyme is commonly found in Eubacteria, Archaeobacteria, Protista, Fungi, and Plantae, but is absent from Animalia. As humans do not have tryptophan synthase, this enzyme has been explored as a potential drug target.

注意事项 (Note)

For Research Use Only , Not for Diagnostic Use.