Recombinant E.coli Trp synthase (N-6His)

货号: RB91EPT234

gui_ge

50ug

biao_da_su_zhu

E.coli

biao_qian

N-6His

fen_zi_liang

28.7&43.8 KDa

biao_guan_fen_zi_liang

28&40-50 KDa, reducing conditions

xing_tai

Supplied as a 0.2 μm filtered solution of PBS, pH 7.4.

chun_du

Greater than 95% as determined by reducing SDS-PAGE.

nei_du_su_shui_ping

Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.

chu_cun_fang_fa

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.

yun_shu_tiao_jian

The product is shipped on dry ice/polar packs.
Upon receipt, store it immediately at the temperature listed below.

bei_jing_shuo_ming

Tryptophan synthase is a multienzyme α2β2 complex composed of two 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 β2 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, Archaebacteria, 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.

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