

32-6927: TNAA E.Coli

Alternative Name : Tryptophanase/L-cysteine desulhydrase, PLP-dependent, Tryptophanase, TNAA, L-tryptophan indole-lyase, TNase, tnaA, ind.

Description

Source: E.coli.

Sterile Filtered colorless solution.

Tryptophanase, also known as tnaA, catalyzes chemical reaction using 2 substrates which are L-tryptophan and H₂O. tnaA protein's three products are indole, pyruvate, and NH₃.

TNAA Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 494 amino acids (1-471) and having a molecular mass of 55.2kDa. TNAA is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount : 5 µg / 20 µg

Purification : Greater than 95% as determined by SDS-PAGE.

Content : The TNAA solution (0.5mg/ml) contains Phosphate buffered saline (pH7.4), 10% glycerol and 1mM DTT.

Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid : MGSSHHHHHH SSGLVPRGSH MGSMENFKHL PEPFRIRVIE PVKRTTRAYR EEAIKSGMN PFLDSEDVF IDLLTDSGTG AVTQSMQAAM MRGDEAYSGS RSYALAESV KNIFGYQYTI PTHQGRGAEQ IYIPVLIKKR EQEKGLDRSK MVAFSNYFFD TTQGHSEQING CTVRNVYIKE AFDTGVRYDF KGNFDLEGLE RGIEEVGPNV VPIVATITS NSAGGQPVSL ANLKAMYSIA KKYDIPVVM D SARFAENAYF IKQREAEYKD WTIEQITRET YKYADMLAMS AKKDAMVPMG GLLCMKDDSF FDVYTECRTL CVVQEGFPTY GGLEGGAMER LAVGLYDGMN LDWLAYRIAQ VQYLVDGLEE IGVCQAGG HAAFVDAGKL LPHIPADQFP AQALACELYK VAGIRAVEIG SFLGRDPKT GKQLPCPAEL LRLTIPRATY TQTHMDFIIE AFKHVKENAA NIKGLTFTYE PKVLRHFTAK LKEV.