

## Tryptophanase E.Coli Recombinant

<b>Item Number</b>	rAP-1421
<b>Synonyms</b>	Tryptophanase/L-cysteine desulfhydrase, PLP-dependent, Tryptophanase, TNAA, L-tryptophan indole-lyase, TNase, tnaA, ind.
<b>Description</b>	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.
<b>Uniprot Accession Number</b>	P0A853
<b>Amino Acid Sequence</b>	MGSSHHHHH SSGLVPRGSH MGSMENFKHL PEPFRIRVIE PVKRTTRAYR EEAIKSGMN PFLDSEDFV IDLLTDSGTG AVTQSMQAAM MRGDEAYSGS RSYVALAESV KNIFGYQYTI PTHQGRGAEQ IYIPVLIKKR EQEKGLDRSK MVAFSNYFFD TTQGHSQLING CTVRNVYIKE AFDTGVRDYDF KGNFDLEGLE RGIEEVGPNN VPIYIVATITS NSAGGQPVSL ANLKAMYSIA KKYDIPVVMD SARFAENAYF IKQREAEYKD WTIEQITRET YKYADMLAMS AKKDAMVPMG GLLCMKDDSF FDVYTECTRL CVVQEGFPTY GGLEGGAMER LAVGLYDGMN LDWLAYRIAQ VQYLVDGLEE IGVVCQQAGG HAAFVDAGKL LPHIPADQFP AQALACELYK VAGIRAVEIG SFLLRDPKT GKQLPCPAEL LRLTIPRATY TQTHMDFIIE AFKHKVENAA NIKGLTFTYE PKVLRHFTAK LKEV.
<b>Source</b>	E.coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered colorless solution. 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.
<b>Formulation and Purity</b>	The TNAA solution (0.5mg/ml) contains Phosphate buffered saline (pH7.4), 10% glycerol and 1mM DTT. Greater than 95% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**