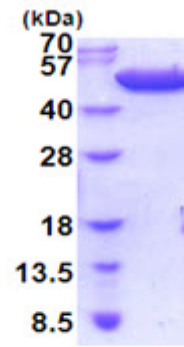


AR51783PU-S**Human tnaa (1-494, His-tag) - Purified**

Alternate names:	PLP-dependent, Tryptophanase, Tryptophanase/L-cysteine desulfhydrase
Quantity:	0.1 mg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	tnaA, also known as Tryptophanase/L-cysteine desulfhydrase. Tryptophanase is an enzyme that catalyzes the chemical reaction. Thus, the two substrates of this enzyme are L-tryptophan and H ₂ O, whereas its 3 products are indole, pyruvate, and NH ₃ .
Uniprot ID:	P0A853
NCBI:	NP_418164
GeneID:	948221
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >95% by SDS - PAGE Buffer System: Liquid, In Phosphate buffered saline (pH7.4) containing 10% glycerol, 1mM DTT.
Description:	Recombinant E.coli tnaA, fused to His-tag at N-terminus, was expressed in E.coli and purified using conventional chromatography techniques. AA Sequence: MGSSHHHHH SSGLVPRGSH MGS MENFKHL PEPFRIRVIE PVKRTTRAYR EEAIKSGMN PFLLDSEDFV IDLLTDSGTG AVTQSMQAAM MRGDEAYSGS RSYVALAESV KNIFGYQYTI PTHQGRGAEQ IYIPVLIKKR EQEKGLDRSK MVAFS NYFFD TTQGH SQING CTVRNVYIKE AFDTGVR YDF KGNFDLEGLE RGIEEVGPNN VPYIVATITS NSAGQPVS L ANLKAMYSIA KKYDIPVMD SARFAENAYF IKQREAEYKD WTIEQITRET YKYADMLAMS AKKDAMVPMG GLLCMKD DSF FDVYTECTRL CVVQEGFPTY GGLEGGAMER LAVGLYDGMN LDWLAYRIAQ VQYLVDGLEE IGVVCQQAGG HAAFVDAGKL LPHIPADQFP AQALACELYK VAGIRAVEIG SFLLRDPKT GKQLPCPAEL LRLTIPRATY TQTHMDFIIE AFKHVKENAA NIKGLTFTYE PKVLRHFTAK LKEV Molecular weight: 55.2 kDa (494aa)
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Tokushige M., et al. (1989) Biochimie 71:711-720

Pictures:



15% SDS-PAGE (3ug)