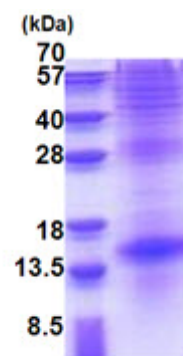


AR51247PU-N

Human Thyrotropin beta chain (21-138, His-tag) - Purified

Alternate names:	TSH, TSH beta, TSHB, Thyroid-stimulating hormone subunit beta, Thyrotropin subunit beta
Quantity:	0.1 mg
Concentration:	0.25 mg/ml (determined by Bradford assay)
Background:	The four human glycoprotein hormones chorionic gonadotropin (CG), luteinizing hormone (LH), follicle stimulating hormone (FSH), and thyroid stimulating hormone (TSH) are dimers consisting of alpha and beta subunits that are associated noncovalently. The alpha subunits of these hormones are identical, however, their beta chains are unique and confer biological specificity. Thyroid stimulating hormone functions in the control of thyroid structure and metabolism. TSHB is the beta subunit of thyroid stimulating hormone. Mutations in this gene result in congenital hypothyroidism. Recombinant human TSHB protein, fused to His-tag at N-terminus, was expressed in E.coli
Uniprot ID:	P01222
NCBI:	NP_000540
GeneID:	7252
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >85% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea
Description:	AA Sequence: MGSSHHHHH SSGLVPRGSH MGSFCIPTEY TMHIERRECA YCLTINTTIC AGYCMTRDIN GKLFLPKYAL SQDVCTYRDF IYRTVEIPGC PLHVAPYFSY PVALSCKCGK CNTDYSDCIH EAIKTNCTK PQKSYLVGFS V Molecular weight: 15.9 kDa (141aa)
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:	Hayashizaki Y., Miyai K.. et al. (1985). FEBS Lett. 188:394-400

Pictures:



15% SDS-PAGE (3ug)