Datasheet for ABIN6387330

TSHB Protein (AA 21-138) (His tag)

1 Image

Go to Product page

Overview

Quantity:	100 µg
Target:	TSHB
Protein Characteristics:	AA 21-138
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This TSHB protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MGSSHHHHHH SSGLVPRGSH MGSFCIPTEY TMHIERRECA YCLTINTTIC AGYCMTRDIN GKLFLPKYAL SQDVCTYRDF IYRTVEIPGC PLHVAPYFSY PVALSCKCGK CNTDYSDCIH EAIKTNYCTK PQKSYLVGFS V
Purity:	> 85 % by SDS - PAGE

Target Details

Target:	TSHB
Alternative Name:	TSHB (TSHB Products)
Background:	The four human glycoprotein hormones chorionic gonadotropin (CG), luteinizing hormone (LH), follicle stimulating hormone (FSH), and thyroid stimulating hormone (TSH) are dimmers consisting of alpha and beta subunits that are associated noncovalently. The alpha subunits of

Target Details

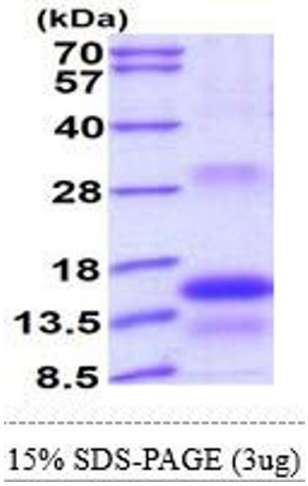
	these hormones are identical, however, their beta chains are unique and confer biological specificity. Thyroid stimulating hormone functions in the control of thyroid structure and metabolism. TSHB is the beta subunit of thyroid stimulating hormone. Mutations in this gene result in congenital hypothyroidism. Recombinant human TSHB protein, fused to His-tag at N-terminus, was expressed in E.coli
Molecular Weight:	15.9kDa (141aa)
NCBI Accession:	NP_000540
UniProt:	P01222
Pathways:	Thyroid Hormone Synthesis, Peptide Hormone Metabolism

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Denatured
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	Liquid. In 20 mM Tris-HCl buffer (pH 8.5) containing 10 % glycerol, 0.4M Urea
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



15% SDS-PAGE (3ug)

SDS-PAGE

Image 1.