

Product datasheet for **RG235568**

TSH beta (TSHB) (NM_001277991) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TSH beta (TSHB) (NM_001277991) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: TSH beta
Synonyms: TSH-B; TSH-BETA
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG235568 representing NM_001277991.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTCTCTTTTCTGTTCTTTCCCGAGGATATCAATGGCAAACTGTTTCTTCCCAAATATGCTCTGTCC
CAGGATGTTTGCACATATAGAGACTTCATCTACAGGACTGTAGAAATACCAGGATGCCCACTCCATGTT
GCTCCCTATTTTCTATCCTGTTGCTTTAAGCTGTAAGTGTGGCAAGTGAATACTGACTATAGTGAC
TGCATACATGAAGCCATCAAGACAACTACTGTACCAACCTCAGAAGTCTTATCTGGTAGGATTTCT
GTC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG235568
Blue=ORF Red=Cloning site Green=Tag(s)

```
MLSFLFFPQDINGKLF LPKYALSQDVCTYRDFIYRTVEIPGCPLHVAPYFSYPVALSCKCGKNTDYSYD
CIHEAIKTNKYCTKPQKSYLVGFSV
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI

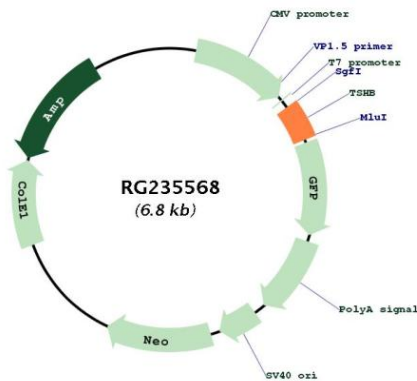


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MW: 11.1 kDa

Gene Summary: 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. The protein encoded by this gene is the beta subunit of thyroid stimulating hormone. Mutations in this gene are associated with congenital central and secondary hypothyroidism and Hashimoto's thyroiditis. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, May 2013]

Product images:



Circular map for RG235568