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# Product datasheet for RC216914L2V

## TSH beta (TSHB) (NM_000549) Human Tagged ORF Clone Lentiviral Particle

### Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | TSH beta (TSHB) (NM_000549) Human Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | TSH beta |
| **Synonyms:** | TSH-B; TSH-BETA |
| **Mammalian Cell Selection:** | None |
| **Vector:** | pLenti-C-mGFP (PS100071) |
| **Tag:** | mGFP |
| **ACCN:** | NM_000549 |
| **ORF Size:** | 414 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(RC216914). |
| **OTI Disclaimer:** | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info |
| **OTI Annotation:** | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| **RefSeq:** | NM_000549.2, NP_000540.1 |
| **RefSeq Size:** | 578 bp |
| **RefSeq ORF:** | 417 bp |
| **Locus ID:** | 7252 |
| **UniProt ID:** | P01222 |
| **Cytogenetics:** | 1p13.2 |
| **Protein Families:** | Druggable Genome, Secreted Protein |
| **Protein Pathways:** | Autoimmune thyroid disease, Neuroactive ligand-receptor interaction |

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**MW:** 15.61 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]