

## Recombinant Dog TSHB protein, His & GST-tagged

**Cat. No.** TSHB-7934D    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Dog TSHB aa. (Ser20~Ile138 (Accession # P54828)) fused with N-terminal His & GST tag was produced in E. coli cells.                                                                                                                                                                                                                |
| <b>Species</b>          | Dog                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | Ser20~Ile138                                                                                                                                                                                                                                                                                                                                   |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                            |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 43.7kDa                                                                                                                                                                                                                                                                                                              |
| <b>Endotoxin</b>        | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                                                                                                                                                                                  |
| <b>Purity</b>           | >95%                                                                                                                                                                                                                                                                                                                                           |
| <b>Characteristic</b>   | The isoelectric point is 8.2.                                                                                                                                                                                                                                                                                                                  |
| <b>Applications</b>     | SDS-PAGE; WB; ELISA; IP                                                                                                                                                                                                                                                                                                                        |
| <b>Stability</b>        | The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed.<br>(Referring from China Biological Products Standard, which was calculated by the |

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|                       |                                                                                                                               |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------|
|                       | Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.                    |
| <b>Storage Buffer</b> | Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.                                          |
| <b>Reconstitution</b> | Reconstitute in sterile PBS, pH7.2-pH7.4.                                                                                     |

## GENE INFORMATION

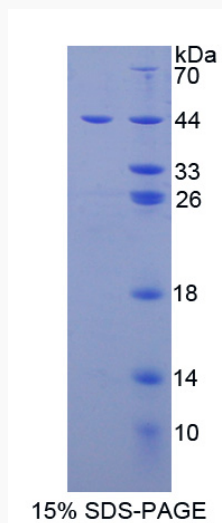
|                        |                                                                                                                   |
|------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | TSHB thyroid stimulating hormone beta [ Canis lupus familiaris (dog) ]                                            |
| <b>Official Symbol</b> | TSHB                                                                                                              |
| <b>Synonyms</b>        | TSHB; thyrotropin subunit beta; TSH-B; TSH-beta; thyroid-stimulating hormone subunit beta; thyrotropin beta chain |
| <b>Gene ID</b>         | 403973                                                                                                            |
| <b>mRNA Refseq</b>     | NM_001003290.2                                                                                                    |
| <b>Protein Refseq</b>  | NP_001003290.1                                                                                                    |
| <b>UniProt ID</b>      | P54828                                                                                                            |

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## SDS-PAGE



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