

SPECIFICATION SHEET

- Description:** Recombinant human TSHR protein. **Catalog #:** L2G00601
- Description:** Thyrotropin receptor, Thyroid-stimulating hormone receptor, TSH-R,
- Source:** E. Coli
- Molecular weight:** 80 KD (with Tag protein)
- Concentration:** 1.6 mg/ml **Lot #:** L170501
- Purity :** >85% by SDS-PAGE
- Formulation :** Liquid
- Application:** ELISA; Other applications have not been tested. The optimal dilutions should be determined by end user.
- Storage buffer:** 10mM PBS (pH7.4 ± 0.2)
- Storage & Expiration:** Upon receipt, aliquot and store at <-20°C for long term. Avoid repeated freeze and thaw cycles.
- Background:** Thyroid stimulating hormone receptor(TSHR), also known as Thyrotropin receptor is a member of the leucine-rich repeat-containing G protein-coupled receptors. G protein-coupled receptors(GPCRs) are the largest family of plasma membrane receptors. They mediate the effects of several endogenous cues and serve as important pharmacological targets. TSHR is primarily found on the surface of the thyroid epithelial cells. Both TSHR and its ligand TSH have evolved to acquire specificity, minimize cross-reaction to other glycoprotein hormone receptors, and modulate cognate interaction (and thereby thyrotropic activity).

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.