

Human TSHR VLP

Cat. No. THR-HM00V



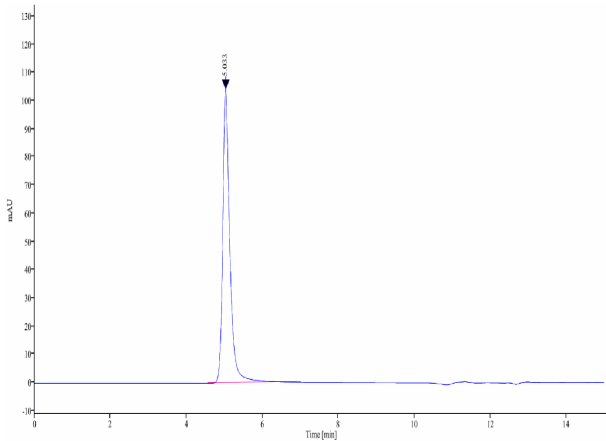
Description	
Source	Recombinant Human TSHR VLP is expressed from HEK293. It contains Met1-Leu764 (It may have cross reaction with anti-His antibody).
Accession	P16473
Molecular Weight	The target protein has a predicted MW of 87.81 kDa.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by HPLC

Formulation and Storage	
Formulation	Supplied as 0.22µm filtered solution in PBS, 300mM L-Arginine (pH 7.4). Notice: If you need it for immunization, water-soluble adjuvant is recommended.
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background	
Thyroid stimulating hormone receptor (TSHR) is a receptor for thyrostimulin and thyroid stimulating hormone (TSH, also called thyrotropin). TSHR is a cell surface glycoprotein receptor and belongs to the leucine-rich repeat (LGR) subfamily of G-protein-coupled receptors (GPCRs).	

Assay Data

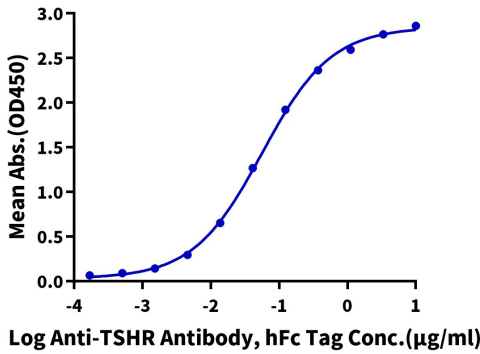
SEC-HPLC



The purity of Human TSHR VLP is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human TSHR VLP ELISA
0.5µg Human TSHR VLP Per Well



Immobilized Human TSHR VLP at 5µg/ml (100µl/well) on the plate. Dose response curve for Anti-TSHR Antibody, hFc Tag with the EC50 of 56.5ng/ml determined by ELISA.