

Recombinant Human TSHR antigen

Product overview

Catalog number	C-40-0097
Description	Recombinant human thyroid stimulating hormone receptor (TSHR) antigen with His tag. Predicted molecular weight: ~65 kDa.
Product host	Insect Cells
Product formulation	Liquid
Product buffer solution	10 mM phosphate buffer, pH 7.4, 0.8 % NaCl, 0.02% KCl.
Shelf life and storage	5 years, storage at -70 °C or below. Repeated freeze/thaw cycles should be avoided.
Analyte description	TSHR is a membrane protein and a major controller of thyroid cell metabolism. It is a receptor for thyrothropin and thyrostimulin, and its activity is mediated by adenylate cyclase. TSHR contains the leucine repeat domain (LRRD), hinge region, and transmembrane domain (TMD). The TSHR alpha subunit can dissociate from it and further recognized by the immune system as an antigen and produces autoantibodies (TRAb). Detecting TRAb can provide reference value for the diagnosis, condition, timing of discontinuation, and prediction of recurrence risk of Graves disease, and can also be used to differentiate other thyroid diseases.
Product concentration	Lot-specific
Purity	SDS-PAGE
Antibodies tested	C-10-0074 Anti-h TSHR NA002101 SPTN-5, +
Miscellaneous	N/A

