

## Nanodisc Human TSHR Protein

HDFP026

### Description

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This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

### Product Information

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<b>SKU:</b>	HDFP026
<b>Contents:</b>	10µg Bradford Reagent: 1 vial (2ml)
<b>Category:</b>	Full Length Transmembrane Proteins
<b>Synonyms:</b>	CHNG1, hTSHR-I, LGR3
<b>Tag:</b>	C-Flag Tag
<b>Target:</b>	TSHR
<b>Conjugation:</b>	Unconjugated
<b>Expression Host:</b>	HEK293

### Protein Data

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<b>Uniprot ID:</b>	P16473
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>Protein Pathways:</b>	Autoimmune thyroid disease, Neuroactive ligand-receptor interaction
<b>Formulation &amp; Reconstitution:</b>	Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
<b>Molecular Weight:</b>	The human full length TSHR protein has a MW of 86.8 kDa
<b>Storage &amp; Shipping</b>	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at

**Manufacturers Statement:** This final kit system is assembled and quality-released by Assay Genie Limited.

-80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.  
Store Bradford Reagent at Room Temperature for 1 year.

**Usage:** Research use only

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol