PRODUCT INFORMATION

Tag	C-Flag&Strep Tag
Target	FSHR
Synonyms	FSHR1; FSHRO; LGR1; ODG1
Description	Human FSHR-Strep full length protein-synthetic nanodisc
Delivery	In Stock
Uniprot ID	P23945
Expression Host	HEK293
Protein Families	Druggable Genome, ES Cell Differentiation/IPS, GPCR, Transmembrane
Protein Pathways	Neuroactive ligand-receptor interaction
Molecular Weight	The human full length FSHR-Strep protein has a MW of 78.2 kDa
Formulation & Reconstitution	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. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments.
Storage&Shipping	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 -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	The protein belongs to family 1 of G-protein coupled receptors. It is the receptor for follicle stimulating hormone and functions in gonad development. Mutations in this gene cause ovarian dysgenesis type 1, and also ovarian hyperstimulation syndrome. Alternative splicing results in multiple transcript variants.
Usage	Research use only
Conjugate	Unconjugated

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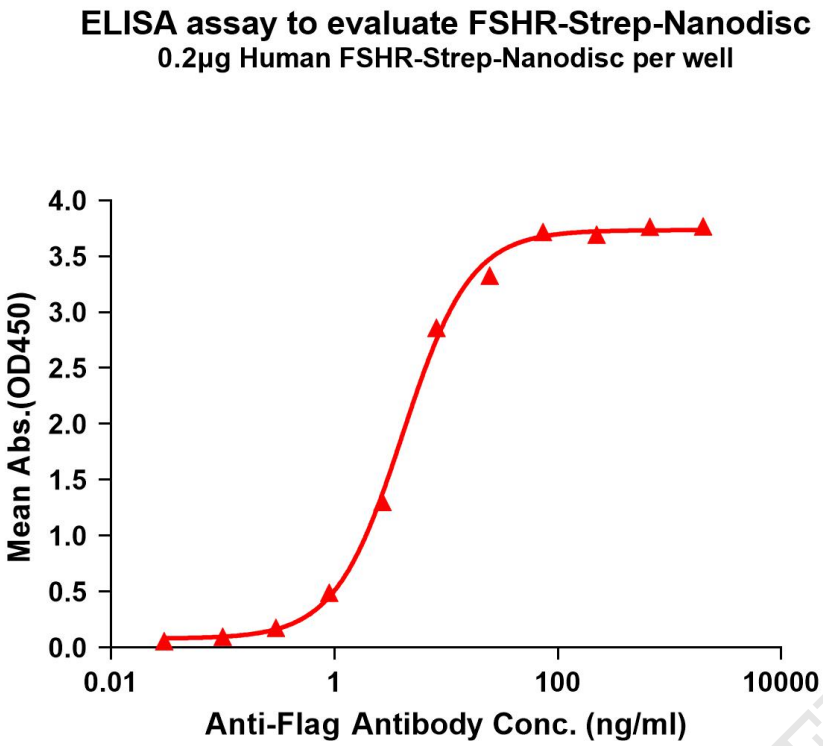

Figure 1. Elisa plates were pre-coated with C-Flag&Strep Tag FSHR-Strep-Nanodisc (0.2μg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with FSHR-Strep-nanodisc is 4.092ng/ml.

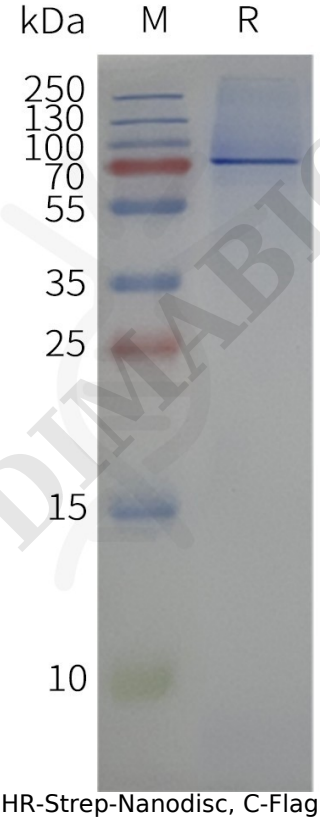

Figure 2. Human FSHR-Strep-Nanodisc, C-Flag&Strep Tag on SDS-PAGE

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