

## HUMAN FSHR FULL LENGTH PROTEIN

**Cat.#:** 11028

**Product Name:** Human FSHR Full Length Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** FSHR1; FSHRO; LGRI; ODGI

**Target:** FSHR

**UNIPROT ID:** P23945

**Description:** Human FSHR full length protein-synthetic nanodisc

**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.

**Species/Host:** HEK293

**Molecular Weight:** The human full length FSHR protein has a MW of 78.3 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.

**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.

ELISA assay to evaluate FSHR-Nanodisc  
0.2µg Human FSHR-Nanodisc per well

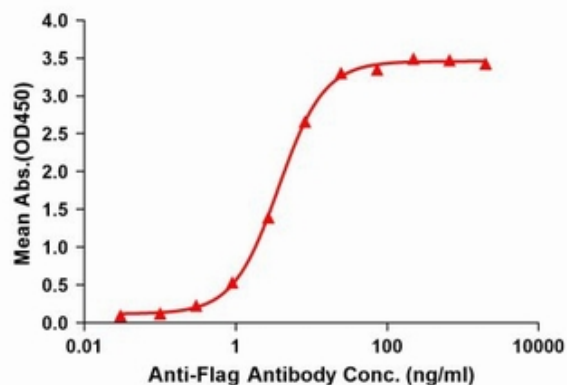


Figure1. Elisa plates were pre-coated with Flag Tag FSHR-Nanodisc (0.2 µg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with FSHR-Nanodisc is 3.687ng/ml.



Figure2. Human FSHR-Nanodisc, Flag Tag on SDS-PAGE