

## **PRODUCT INFORMATION**

C-Flag&Strep Tag Tag

**Target** CRHR1

CRF-R; CRF-R-1; CRF-R1; CRF1; CRFR-1; CRFR1; **Synonyms** 

CRH-R-1; CRH-R1; CRHR; CRHR1L

Human CRHR1-Strep full length protein-synthetic Description

nanodisc

In Stock **Delivery Uniprot ID** P34998 **HEK293 Expression Host** 

**Protein Families** Druggable Genome, GPCR, Transmembrane Long-term depression, Neuroactive ligand-**Protein Pathways** 

receptor interaction

The human full length CRHR1-Strep protein has a Molecular Weight

MW of 47.7 kDa

Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% Formulation & 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Reconstitution

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). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

A G-protein coupled receptor that binds neuropeptides of the corticotropin releasing hormone family that are major regulators of the hypothalamic-pituitary-adrenal pathway. The encoded protein is essential for the activation of signal transduction pathways that regulate

diverse physiological processes including stress, reproduction, immune response and obesity. Alternative splicing results in multiple transcript

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variants.

Usage Research use only Conjugate Unconjugated

**Background** 





## ELISA assay to evaluate CRHR1-Strep-Nanodisc 0.2µg Human CRHR1-Strep-Nanodisc per well

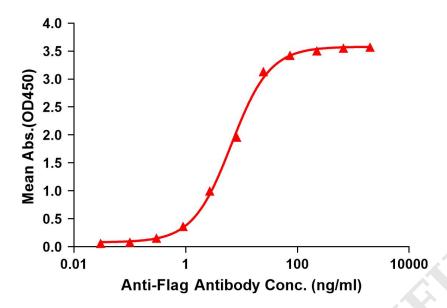


Figure 1. Elisa plates were pre-coated with C-Flag&Strep Tag CRHR1-Strep-Nanodisc (0.2 $\mu$ g/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with CRHR1-Strep-nanodisc is 6.581ng/ml.

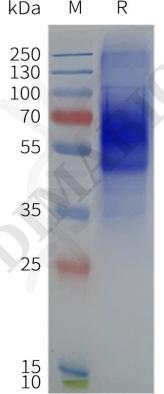


Figure 2. Human CRHR1-Strep-Nanodisc, C-Flag&Strep Tag on SDS-PAGE

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