## PRODUCT INFORMATION

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|---|---|
| **Tag** | C-Flag&Strep Tag |
| **Target** | GPR143 |
| **Synonyms** | NYS6; OA1 |
| **Description** | Human GPR143-Strep full length protein-synthetic nanodisc |
| **Delivery** | In Stock |
| **Uniprot ID** | P51810 |
| **Expression Host** | HEK293 |
| **Protein Families** | Druggable Genome, GPCR, Transmembrane |
| **Protein Pathways** | N/A |
| **Molecular Weight** | The human full length GPR143-Strep protein has a MW of 43.9 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 |
| **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** | A protein that binds to heterotrimeric G proteins and is targeted to melanosomes in pigment cells. This protein is thought to be involved in intracellular signal transduction mechanisms. Mutations in this gene cause ocular albinism type 1, also referred to as Nettleship-Falls type ocular albinism, a severe visual disorder. A related pseudogene has been identified on chromosome Y. |
| **Usage** | Research use only |
| **Conjugate** | Unconjugated |



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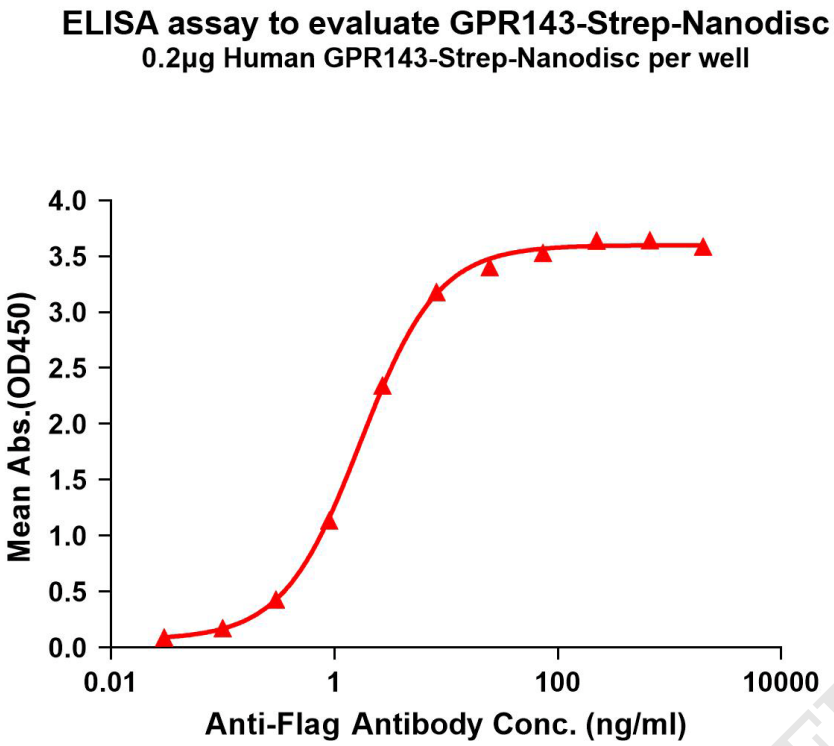


Figure 1. Elisa plates were pre-coated with C-Flag&Strep Tag GPR143-Strep-Nanodisc (0.2μg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with GPR143-Strep-nanodisc is 1.714ng/ml.

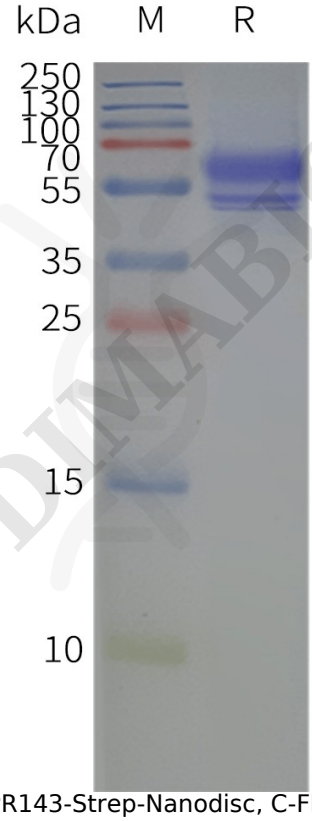


Figure 2. Human GPR143-Strep-Nanodisc, C-Flag&Strep Tag on SDS-PAGE



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