Human PTGER3-Strep full length protein-synthetic nanodisc

Cat. No. FLP120445

## PRODUCT INFORMATION

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|---|---|
| **Tag** | **Warning**: Undefined variable $hasAttributeValueDescription in **/www/wwwroot/tech.dimabio.cn/wp-content/plugins/woocommerce-print-products/public/class-woocommerce-print-products-public.php** on line **2806**<br>C-Flag&Strep Tag |
| **Target** | PTGER3 |
| **Synonyms** | EP3; EP3-I; EP3-II; EP3-III; EP3-IV; EP3-VI; EP3e; lnc003875; PGE2-R |
| **Description** | Human PTGER3-Strep full length protein-synthetic nanodisc |
| **Delivery** | In Stock |
| **Uniprot ID** | P43115 |
| **Expression Host** | HEK293 |
| **Protein Families** | Druggable Genome, GPCR, Transcription Factors, Transmembrane |
| **Protein Pathways** | Calcium signaling pathway, Neuroactive ligand-receptor interaction |
| **Molecular Weight** | The human full length PTGER3-Strep protein has a MW of 43.3 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. 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** | The protein is a member of the G-protein coupled receptor family. This protein is one of four receptors identified for prostaglandin E2 (PGE2). This receptor may have many biological functions, which involve digestion, nervous system, kidney reabsorption, and uterine contraction activities. Studies of the mouse counterpart suggest that this receptor may also mediate adrenocorticotropic hormone response as well as fever generation in response to exogenous and endogenous stimuli. |
| **Usage** | Research use only |
| **Conjugate** | Unconjugated |

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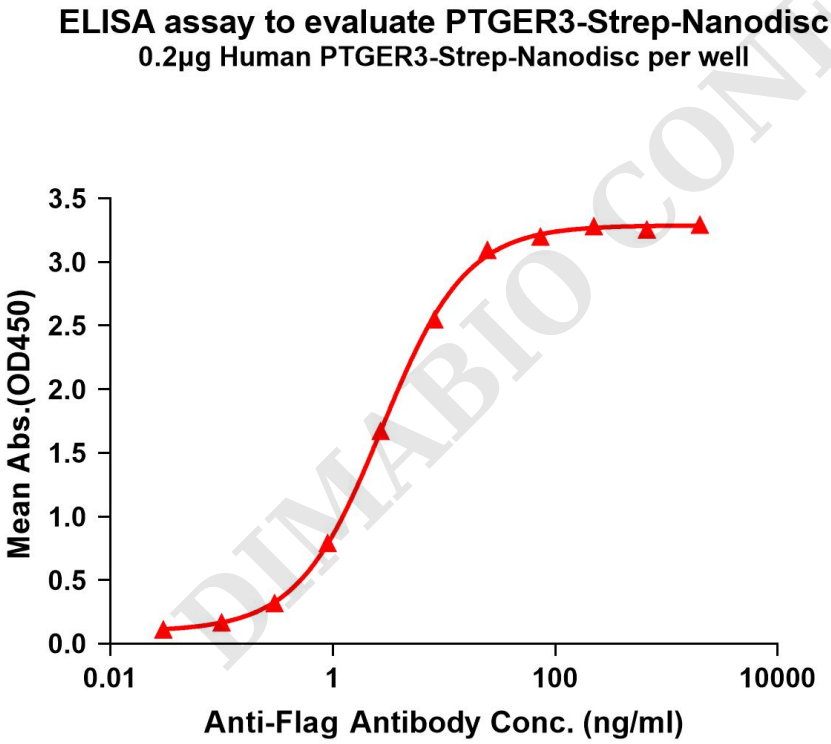



Figure 1. Elisa plates were pre-coated with C-Flag&Strep Tag PTGER3-Strep-Nanodisc (0.2μg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with PTGER3-Strep-nanodisc is 2.770ng/ml.

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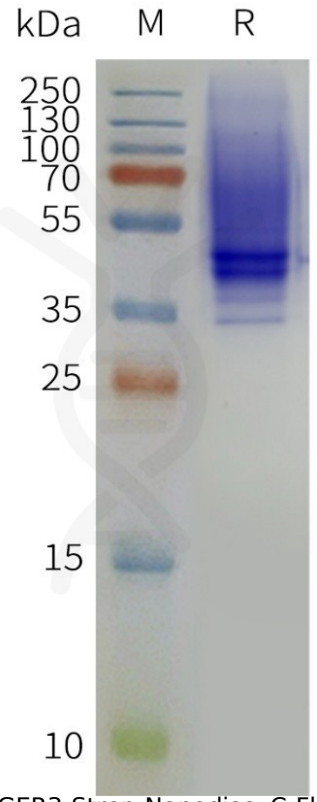



Figure 2. Human PTGER3-Strep-Nanodisc, C-Flag&Strep Tag on SDS-PAGE

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