# Prostaglandin F (PG-F) ELISA Kit for Goose

## PRODUCT OVERVIEW

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| **Product Name** | Prostaglandin F (PG-F), ELISA Kit |
| **Full Product Name** | Goose Prostaglandin F ELISA Kit |
| **Product Gene Name** | PG-F elisa kit |
| **Species Reactivity** | Goose |
| **Assay Type** | Sandwich |
| **Preparation and Storage** | Store all reagents at 2-8 degree C |
| **Molecular Weight** | 18,697 Da |
| **OMIM** | 607061 |
| **3D Structure** | ModBase 3D Structure for Q15185 |
| **Related Product Information for PG-F elisa kit** | MBS006629 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Prostaglandin F (PG-F) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing PG-F. The ELISA analytical biochemical technique of the MBS006629 kit is based on PG-F antibody-PG-F antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect PG-F antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, PG-F. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%). |
| **Other Notes** | Small volumes of PG-F elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PG-F. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 543583725 |
| **NCBI GeneID** | 10728 |
| **NCBI Accession #** | NP_001269534.1 |
| **UniProt Primary Accession #** | Q15185 |
| **UniProt Secondary Accession #** | Q8WU70; A8K7D0; B4DHP2; B4DP11; B4DP21 |
| **UniProt Related Accession #** | Q15185 |
| **GenBank Nucleotide #** | NM_001282605.1 |
| **NCBI Official Full Name** | prostaglandin E synthase 3 isoform f |
| **NCBI Official Synonym Full Names** | prostaglandin E synthase 3 (cytosolic) |
| **NCBI Official Symbol** | PTGES3 |
| **NCBI Official Synonym Symbols** | P23; TEBP; cPGES |
| **UniProt Protein Name** | Prostaglandin E synthase 3 |

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| **UniProt Synonym Protein Names** | Cytosolic prostaglandin E2 synthase; cPGES; Hsp90 co-chaperone; Progesterone receptor complex p23; Telomerase-binding protein p23 |
| **Protein Family** | Prostaglandin F synthase |
| **UniProt Gene Name** | PTGES3 |
| **UniProt Synonym Gene Names** | P23; TEBP; cPGES |
| **UniProt Entry Name** | TEBP_HUMAN |
| **NCBI Protein Information** | prostaglandin E synthase 3; Hsp90 co-chaperone; telomerase-binding protein p23; progesterone receptor complex p23; cytosolic prostaglandin E synthase; cytosolic prostaglandin E2 synthase; unactive progesterone receptor, 23 kD |
| **UniProt Comments for PG-F** | TEBP: Molecular chaperone that localizes to genomic response elements in a hormone-dependent manner and disrupts receptor- mediated transcriptional activation, by promoting disassembly of transcriptional regulatory complexes. Belongs to the p23/wos2 family.<br><br>Protein type: Nuclear receptor co-regulator; Isomerase; EC 5.3.99.3; Transferase; Chaperone<br><br>Chromosomal Location of Human Ortholog: 12q13.3\|12<br><br>Cellular Component: nucleoplasm; chromosome, telomeric region; telomerase holoenzyme complex; cytoplasm; nucleus; cytosol<br><br>Molecular Function: telomerase activity; protein binding; unfolded protein binding; prostaglandin-E synthase activity<br><br>Biological Process: RNA-dependent DNA replication; cyclooxygenase pathway; arachidonic acid metabolic process; prostaglandin biosynthetic process; signal transduction; telomere maintenance |
| **Research Articles on PG-F** | **1.** FKBP4, p23, and Aha1 cooperatively regulate the progression of hAgo2 through the chaperone cycle. |
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