

# Recombinant Full Length Human Prostaglandin E Synthase 3 (Cytosolic) / PTGES3 Protein

Cat. No. PTGES3-478H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant human PTGES3 protein was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. MW = 18.6 kDa (160aa).
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-160 a.a.
<b>Description</b>	Prostaglandin E synthase 3 (PTGES3), also known as P23 or TEBP (Telomerase binding protein p23), is a ubiquitously expressed protein that functions as a cochaperone and plays an important role in signal transduction. This protein is a 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.
<b>Amino Acid Sequence</b>	MQPASAKWYD RRDYVFIEFC VEDSKDVNVN FEKSKLTFSC LGGSDNFKHL NEIDLFHCID PNDSKHKRTD RSLCCLRKG ESGQSWPRLT KERAKLNWLS VDFNNWKDWE DDSDEDMSNF DRFSEMMNMM GGDEDVDLPE VDGADDDSDQD SDDEKMPDLE
<b>Form</b>	Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 1mM DTT 10% glycerol.
<b>Purity</b>	> 95% by SDS – PAGE.

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**Concentration** 0.5 mg/ml (determined by Bradford assay).

**Storage** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

## GENE INFORMATION

**Gene Name** PTGES3 prostaglandin E synthase 3 (cytosolic) [ Homo sapiens ]

**Synonyms** PTGES3 prostaglandin E synthase 3 (cytosolic); P23; TEBP; cPGES; prostaglandin-E synthase 3; Hsp90 co-chaperone; telomerase-binding protein p23; progesterone receptor complex p23; cytosolic prostaglandin E synthase; unactive progesterone receptor, 23 Kd; EC 5.3.99.3; Cytosolic prostaglandin E2 synthase

**Gene ID** 10728

**mRNA Refseq** NM\_006601

**Protein Refseq** NP\_006592

**MIM** 607061

**UniProt ID** Q15185

**Chromosome Location** 12q13.3; 12

**Function** isomerase activity; prostaglandin-E synthase activity; telomerase activity; unfolded protein binding

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