

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

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

SPECIFICATION

Product Overview	Recombinant human PTGES3 protein was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. MW = 18.6 kDa (160aa).
Species	Human
Source	E.coli
Protein Length	1-160 a.a.
Description	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.
Amino Acid Sequence	MQPASAKWYD RRDYVFIEFC VEDSKDVNVN FEKSKLTFSC LGGSDNFKHL NEIDLFHCID PNDSKHKRTD RSLCCLRKG ESGQSWPRLT KERAKLNWLS VDFNNWKDWE DDSDEDMSNF DRFSEMMNNM GGDEDVDLPE VDGADDDSQD SDDEKMPDLE
Form	Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 1mM DTT 10% glycerol.
Purity	> 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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