

PTGES3 Protein, Human, Recombinant (His)

General Information

Synonyms:	Prostaglandin E synthase 3;Hsp90 co-chaperone;P23;Cytosolic prostaglandin E2 synthase (cPGES);Progesterone receptor complex p23;Telomerase-binding protein p23;TEBP;PTGES3
Protein Construction:	1-160 aa
Species:	Human
Expression Host:	P. pastoris (Yeast)
Accession:	Q15185
Molecular Weight:	21.2 kDa (predicted)
AA Sequence:	MQPASAKWYDRRDYVFIEFCVEDSKDVNVNFEKSKLTFSCLOGSDNFKHLNEIDLFHCIDPNDSKHKRTDRSILCCLRKGESGQSWPRLTKERAKLNWLSVDFNNWKDWEDDSDSDMSNDFRFSEMMNNMGGDEDVDLPEVDGADDDSQDSDDEKMPDLE

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Cytosolic prostaglandin synthase that catalyzes the oxidoreduction of prostaglandin endoperoxide H₂ (PGH₂) to prostaglandin E₂ (PGE₂). Molecular chaperone that localizes to genomic response elements in a hormone-dependent manner and disrupts receptor-mediated transcriptional activation, by promoting disassembly of

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transcriptional regulatory complexes. Facilitates HIF alpha proteins hydroxylation via interaction with EGLN1/PHD2, leading to recruit EGLN1/PHD2 to the HSP90 pathway.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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