

Recombinant Mouse Ptges3 Protein, Myc/DDK-tagged

Cat. No. Ptges3-5221M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length prostaglandin E synthase 3 (Ptges3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Cytosolic prostaglandin synthase that catalyzes the oxidoreduction of prostaglandin endoperoxide H ₂ (PGH ₂) to prostaglandin E ₂ (PGE ₂). 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. Facilitates HIF alpha proteins hydroxylation via interaction with EGLN1/PHD2, leading to recruit EGLN1/PHD2 to the HSP90 pathway.
Molecular Mass	19.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Ptges3 prostaglandin E synthase 3 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Ptges3](#)

Synonyms PTGES3; prostaglandin E synthase 3 (cytosolic); prostaglandin E synthase 3; sid 3177; p23 cochaperone; hsp90 co-chaperone; telomerase-binding protein p23; telomerase binding protein, p23; progesterone receptor complex p23; cytosolic prostaglandin E2 synthase; p23; Tebp; Ptges; cPGES; sid3177; 5730442A20Rik

Gene ID [56351](#)

mRNA Refseq [NM_019766](#)

Protein Refseq [NP_062740](#)

UniProt ID [Q9R0Q7](#)

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