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 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 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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