

## Recombinant Mouse Ptgs1 Protein, Myc/DDK-tagged

Cat. No. Ptgs1-5225M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length prostaglandin-endoperoxide synthase 1 (Ptgs1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	This is one of two genes encoding similar enzymes that catalyze the conversion of arachinodate to prostaglandin. The encoded protein regulates angiogenesis in endothelial cells, and is inhibited by nonsteroidal anti-inflammatory drugs such as aspirin. Based on its ability to function as both a cyclooxygenase and as a peroxidase, the encoded protein has been identified as a moonlighting protein.
<b>Molecular Mass</b>	69.5 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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**GENE INFORMATION**

<b>Gene Name</b>	Ptgs1 prostaglandin-endoperoxide synthase 1 [ Mus musculus (house mouse) ]
<b>Official Symbol</b>	Ptgs1
<b>Synonyms</b>	PTGS1; prostaglandin-endoperoxide synthase 1; prostaglandin G/H synthase 1; PHS 1; PGHS-1; PGH synthase 1; cyclooxygenase 1; cyclooxygenase-1; prostaglandin H2 synthase 1; COX1; Cox-1; Cox-3; Pghs1
<b>Gene ID</b>	19224
<b>mRNA Refseq</b>	NM_008969
<b>Protein Refseq</b>	NP_032995
<b>UniProt ID</b>	P22437

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