Recombinant Mouse Ptgs1 Protein, Myc/DDK-tagged

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

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length prostaglandin-endoperoxide synthase 1 (Ptgs1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	69.5 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
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Ptgs1 prostaglandin-endoperoxide synthase 1 [Mus musculus (house mouse)]
Official Symbol	Ptgs1
Synonyms	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
Gene ID	19224
mRNA Refseq	NM_008969
Protein Refseq	NP_032995
UniProt ID	P22437

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