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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

PTGS1 (Human) Recombinant Protein (P01)

Catalog Number: H00005742-P01

Regulation Status: For research use only (RUO)

Product Description: Human PTGS1 full-length ORF (AAH29840.1, 1 a.a. - 599 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MSRSLLLRFLFLLLLPLPLVLLADPGAPTPVNPCCYYP
CQHQGICVRFGLDRYQCDCTRTGYSGPNCTIPGLWT
WLRNSLRPSPSFTHFLLTHGRWFWFVNATFIREMLM
RLVLTVRSNLIPTSPPTYNASHYISWESFSNVSYTRIL
PSVPKDCPTPMGTGKQKLPDAQLLARRFLRRKFIP
DPQGTNLMFAFFAQHFTHQFFKTSKMGPGFTKALG
HGVDLGHYGDNLERQYQLRFLKDGKLYQVLDGEMY
PPSVEEAPVLMHYPRGIPQSQMAVGQEVFLLPGLM
LYATLWLREHNRVCDLLKAEHPTWGDEQLFQTTTRLILI
GETIKIVIEEYVQQLSGYFLQLKFDPELLFGVQFQYRNR
IAMEFNHLYHWHPLMPDSFKVGSQEYSYEQFLFNTSM
LVDYGVLEALVDAFSRQIAGRIGGGRNMDHHILHVAVD
VIRESREMLQPFNEYRKRFRGMKPYTSFQELVGEKEM
AAELEELYGDIDALEFYPLGLLLEKCHPNSIFGESMIEIG
APFSLKGLLGNPICSPEYWKPSTFGGEVGFNIVKTATL
KKLVCLNTKTCOPYVSFRVPDASQDDGPAVERPSTEL

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 95.1

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 5742

Gene Symbol: PTGS1

Gene Alias: COX1, COX3, PCOX1, PGG/HS, PGHS-1, PGHS1, PHS1, PTGHS

Gene Summary: Prostaglandin-endoperoxide synthase (PTGS), also known as cyclooxygenase, is the key enzyme in prostaglandin biosynthesis, and acts both as a dioxygenase and as a peroxidase. There are two isozymes of PTGS: a constitutive PTGS1 and an inducible PTGS2, which differ in their regulation of expression and tissue distribution. This gene encodes PTGS1, which regulates angiogenesis in endothelial cells, and is inhibited by nonsteroidal anti-inflammatory drugs such as aspirin. PTGS1 is thought to be involved in cell-cell signaling and maintaining tissue homeostasis. Alternative splicing of this gene generates two transcript variants. The expression of these two transcripts is differentially regulated by relevant cytokines and growth factors. [provided by RefSeq]