

Prostaglandin G/H synthase 1 (PTGS1) Recombinant Protein | PTGS1 recombinant protein

Recombinant Human Prostaglandin G/H synthase 1 (PTGS1)

CATALOG # AAA81712	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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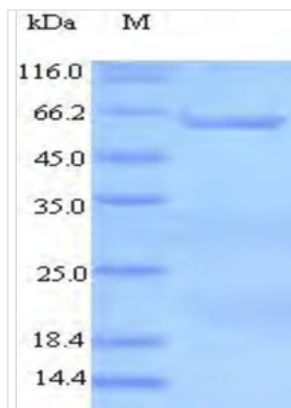
PRODUCT SYNONYMS

Prostaglandin G/H synthase 1 (PTGS1); Recombinant Human Prostaglandin G/H synthase 1 (PTGS1); PTGS1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	24-599, Full length protein
Sequence	ADPGAPTPVN PCCYYPCQH QICVRFGLDR YQCDCTRTGY SGPNCITPGL WTWLRNSLRP SPSFTHFLT HGRWFWEFVN ATFIREMLMR LVLTVRSNLI PSPPTYNSAH DYISWESFSN VSYSTRILPS VPKDCPTPMG TKGKKQLPDA QLLARRFLR RKFIPDPQGT NLMFAFFAQH FTHQFFKTSK KMGPGFTKAL GHGVDLGHIY GDNLERQYQL RLFKDGKLY QVLDGEMYPP SVEEAPVLMH YPRGIPPSQ MAVGQEVFGL LPGLMLYATL WLREHNRVCD LLKAEHPTWG DEQLFQTTRL ILIGETIKIV IEEYVQQLSG YFLQLKFDPE LLFGVQFQYR NRIAMEFNHL YHWHPLMPDS FKVGSQEYSY EQFLFNTSML VDYGVEALVD AFSRQIAGRI GGGRNMDHHI LHVAVDVIRE SREMLQPFN EYRKRFGMKP YTSFQELVGE KEMAAELEEL YGDIDALEFY PGLLLEKCHP NSIFGESMIE IGAPFSLKGL LGNPICSPEY WKPSTFGGEV GFNIVKTATL KKLVLNLTCT CPYVSFRVPD ASQDDGPAVE RPSTEL
Sequence Length	576
Species	Human
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for PTGS1 recombinant protein	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	18104967
NCBI GeneID	5742
NCBI Accession #	NP_000953.2
NCBI GenBank Nucleotide #	NM_000962.3
UniProt Accession #	P23219; Q15122; Q3HY28; Q3HY29; Q5T7T6; Q5T7T7; Q5T7T8; A8K1V7; B4DHQ2; B4E2S5
Molecular Weight	72,010 Da
NCBI Official Full Name	prostaglandin G/H synthase 1 isoform 1
NCBI Official Synonym Full Names	prostaglandin-endoperoxide synthase 1
NCBI Official Symbol	PTGS1
NCBI Official Synonym Symbols	COX1; COX3; PHS1; PCOX1; PES-1; PGHS1; PTGHS; PGG/HS; PGHS-1
NCBI Protein Information	prostaglandin G/H synthase 1
UniProt Protein Name	Prostaglandin G/H synthase 1
UniProt Gene Name	PTGS1
UniProt Synonym Gene Names	COX1; COX-1; PGH synthase 1; PGHS-1; PHS 1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.