

Recombinant Human PTGS2

Cat. No. PTGS2-523H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PTGS2 was expressed in <i>Sf21 cells</i> .
Species	Human
Source	Sf21 Cells
Description	Prostaglandin-endoperoxide synthase 2, also known as cyclooxygenase-2 or simply COX-2, is an enzyme which in humans is encoded by the PTGS2 gene.
Purity	70%.
Unit Definition	1 unit equals 1 nanogram of purified protein.
Buffer	80 mM Tris -HCl, pH 8.0, containing 0.1% Tween 20 and 300 M DDC.
Storage	-80°C, AVOID repeated freeze & thawing.

GENE INFORMATION

Gene Name	PTGS2 prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase) [<i>Homo sapiens</i>]
Synonyms	PTGS2; prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase); PGH synthase 2; PHS II; cyclooxygenase 2b; cyclooxygenase-2; prostaglandin G/H synthase 2; prostaglandin G/H synthase and cyclooxygenase;

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	prostaglandin H2 synthase 2; COX2; COX-2; PHS-2; PGG/HS; PGHS-2; hCox-2; GRIPGHS; PTGS2; EC 1.14.99.1
Gene ID	5743
mRNA Refseq	NM_000963
Protein Refseq	NP_000954
MIM	600262
UniProt ID	P35354
Chromosome Location	1q25.2-q25
Pathway	Arachidonic acid metabolism; Pathways in cancer; Small cell lung cancer; VEGF signaling pathway; Biological oxidations
Function	heme binding; lipid binding; oxidoreductase activity; metal ion binding; oxidoreductase activity, acting on single donors with incorporation of molecular oxygen, incorporation of two atoms of oxygen; peroxidase activity; peroxidase activity; prostaglandin-endoperoxide synthase activity; protein binding

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