

Recombinant Human PTGS2 protein(Met1-Leu604), His-tagged

Cat. No. PTGS2-857H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PTGS2 (NP_000954.1) (Met 1-Leu 604) was expressed in Insect Cells, fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	Insect Cells
ProteinLength	Met1-Leu604
Form	Lyophilized from sterile 50mM Tris, 100mM NaCl, 0.5mM PMSF, 10% glycerol, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant human PTGS2 consists of 597 amino acids and predicts a molecular mass of 68.5 kDa. It migrates as an approximately 66 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	PTGS2 prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase) [Homo sapiens]
Official Symbol	PTGS2
Synonyms	PTGS2; prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase); prostaglandin G/H synthase 2; COX2; PHS II; PGH synthase 2; cyclooxygenase 2b; prostaglandin H2 synthase 2; COX-2; PHS-2; PGG/HS; PGHS-2; hCox-2; GRIPGHS;
Gene ID	5743
mRNA Refseq	NM_000963
Protein Refseq	NP_000954
MIM	600262
UniProt ID	P35354

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