

# Recombinant Human PTGS2 Protein, His-tagged, Alexa Fluor 647 conjugated

**Cat. No.** PTGS2-857HAF647    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Alexa Fluor 647 conjugated recombinant human PTGS2 (NP_000954.1) (Met 1-Leu 604), fused with a polyhistidine tag at the C-terminus, was produced in Baculovirus-Insect cells.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	597
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	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.
<b>Endotoxin</b>	< 1.0 EU/ µg of the protein as determined by the LAL method.
<b>Characteristic</b>	Disulfide-linked homodimer Labeled with Alexa Fluor 647 via amines Excitation = 650 nm Emission = 668 nm
<b>Stability</b>	Samples are stable for up to 12 months from date of receipt at -70 centigrade.

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<b>Storage</b>	Store it under sterile conditions at -20 to -70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Storage Buffer</b>	Lyophilized from sterile 50 mM Tris, 100 mM NaCl, 0.5 mM PMSF, 10% glycerol, pH 8.0
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
<b>Conjugation</b>	Alexa Fluor 647

## GENE INFORMATION

<b>Gene Name</b>	PTGS2 prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase) [ Homo sapiens ]
<b>Official Symbol</b>	PTGS2
<b>Gene ID</b>	5743
<b>mRNA Refseq</b>	NM_000963
<b>Protein Refseq</b>	NP_000954
<b>MIM</b>	600262
<b>UniProt ID</b>	P35354

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