

Recombinant Human PTGS2 Protein, His-tagged, Alexa Fluor 488 conjugated

Cat. No. PTGS2-857HAF488 **Lot. No.** (See product label)

SPECIFICATION

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|-------------------------|---|
| Product Overview | Alexa Fluor 488 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. |
| Species | Human |
| Source | Insect Cells |
| ProteinLength | 597 |
| Form | Lyophilized |
| 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/ µg of the protein as determined by the LAL method. |
| Characteristic | Disulfide-linked homodimer Labeled with Alexa Fluor 488 via amines Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm |
| Stability | Samples are stable for up to 12 months from date of receipt at -70 centigrade. |

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| Storage | 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. |
| Storage Buffer | Lyophilized from sterile 50 mM Tris, 100 mM NaCl, 0.5 mM PMSF, 10% glycerol, pH 8.0 |
| Reconstitution | 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. |
| Conjugation | Alexa Fluor 488 |

GENE INFORMATION

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

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