

Human COX-2/PTGS2 (His Tag) recombinant protein



Catalog Number: 500049

General Information

Gene Name Synonym

Cyclooxygenase-2; PHS II; Prostaglandin H2 synthase 2; Prostaglandin-endoperoxide synthase 2

Protein Construction

A DNA sequence encoding the human PTGS2 (NP_000954.1) (Met 1-Leu 604) was fused with a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

Baculovirus-Insect Cells

QC Testing

Purity

> 95 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Ala 18

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.

Formulation

Lyophilized from sterile 50mM Tris, 100mM NaCl, 0.5mM PMSF, 10% glycerol, pH 8.0

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

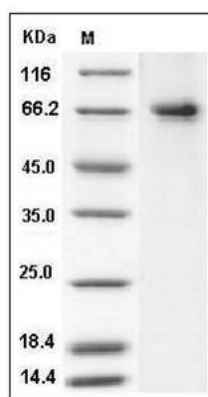
Storage

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.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human PTGS2 / COX2 / PGHS-2 Protein (His Tag)
SDS-PAGE