

Recombinant Full Length Human PTGES Protein (M1-L152 end), His tagged

Cat. No. PTGES-1247H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PTGES(M1-L152 end)-3C-eGFP-10His Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	M1-L152 end
Description	Terminal enzyme of the cyclooxygenase (COX)-2-mediated prostaglandin E2 (PGE2) biosynthetic pathway. Catalyzes the glutathione-dependent oxidoreduction of prostaglandin endoperoxide H2 (PGH2) to prostaglandin E2 (PGE2) in response to inflammatory stimuli. Plays a key role in inflammation response, fever and pain. Catalyzes also the oxidoreduction of endocannabinoids into prostaglandin glycerol esters and PGG2 into 15-hydroperoxy-PGE2. In addition, displays low glutathione transferase and glutathione-dependent peroxidase activities, toward 1-chloro-2,4-dinitrobenzene and 5-hydroperoxyicosatetraenoic acid (5-HPETE), respectively.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	90%

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Formulation:
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	PTGES prostaglandin E synthase [Homo sapiens (human)]
Official Symbol	PTGES
Synonyms	PTGES; prostaglandin E synthase; MGST1L1; glutathione S transferase 1 like 1; MGST IV; MGST1 L1; MGST1 like 1; microsomal glutathione S transferase 1 like 1; microsomal prostaglandin E synthase 1; p53 induced gene 12; PIG12; TP53I12; tumor protein p53 inducible protein 12; MGST1-like 1; p53-induced gene 12 protein; p53-induced apoptosis protein 12; glutathione S-transferase 1-like 1; microsomal prostaglandin E synthase-1; microsomal glutathione S-transferase 1-like 1; PGES; MPGES; PP102; PP1294; MGST-IV; mPGES-1; MGST1-L1; MGC10317;
Gene ID	9536
mRNA Refseq	NM_004878
Protein Refseq	NP_004869
MIM	605172

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UniProt ID

O14684

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