

## Recombinant Full Length Human PTGES Protein (Met1-Leu152), His tagged

**Cat. No.** PTGES-3312H    **Lot. No.** (See product label)

### SPECIFICATION

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| <b>Product Overview</b> | Recombinant human PTGES (Met1-Leu152) protein fused with His tag was expressed in E. coli.                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                   |
| <b>Source</b>           | E.coli                                                                                                                                                                                  |
| <b>ProteinLength</b>    | Met1-Leu152                                                                                                                                                                             |
| <b>Description</b>      | Catalyzes the oxidoreduction of prostaglandin endoperoxide H2 (PGH2) to prostaglandin E2 (PGE2).                                                                                        |
| <b>Molecular Mass</b>   | 18.6 kDa                                                                                                                                                                                |
| <b>Purity</b>           | >90 % as determined by SDS-PAGE.                                                                                                                                                        |
| <b>Notes</b>            | For research use only.                                                                                                                                                                  |
| <b>Storage</b>          | Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt. |
| <b>Storage Buffer</b>   | Supplied as solution form in PBS pH 7.5 or lyophilized from PBS pH 7.5.                                                                                                                 |

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

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| <b>Reconstitution</b>   | Reconstitute in sterile water for a stock solution.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Shipping</b>         | In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/blue ice unless customers require otherwise.                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Gene Name</b>        | PTGES prostaglandin E synthase [ Homo sapiens (human) ]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Official Symbol</b>  | PTGES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Synonyms</b>         | 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; |
| <b>Gene ID</b>          | 9536                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>mRNA Refseq</b>      | NM_004878                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Protein Refseq</b>   | NP_004869                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>MIM</b>              | 605172                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>UniProt ID</b>       | O14684                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |