



# Recombinant Human Prostaglandin reductase 1 (PTGR1)

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| <b>Product Code</b>      | CSB-EP018983HU-B   |
| <b>Abbreviation</b>      | PTGR1  |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.   |
| <b>Uniprot No.</b>       | Q14914   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Homo sapiens (Human)   |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | MVRTKTWTLK KHVFGYPTNS DFELKTAELP PLKNGEVILLE ALFLTVDPYM<br>RVAARKLKEG DTMMGQQVAK VVESKNVALP KGTIVLASPG WTHSISDGK<br>DLEKLLTEWP DTIPLSLALG TVGMPGLTAY FGLLEICGVK GGETVMVNAA<br>AGAVGSVVGQ IAKLKGCKVV GAVGSDEKVA YLQKLGFDVV FNYKTVESLE<br>ETLKKASPDG YDCYFDNVGG EFSNTVIGQM KKFGRICG AISTYNRTGP<br>LPPGPPPEIV IYQELRMEAF VVYRWQGDAR QKALKDLLKW VLEGKIQYKE<br>YIEGFENMP AAFMGMLKGD NLGKTIVKA |
| <b>Source</b>            | E.coli   |
| <b>Target Names</b>      | PTGR1  |
| <b>Protein Names</b>     | Recommended name: Prostaglandin reductase 1 Short name= PRG-1 EC= 1.3.1.- Alternative name(s): 15-oxoprostaglandin 13-reductase EC= 1.3.1.48 NADP-dependent leukotriene B4 12-hydroxydehydrogenase EC= 1.3.1.74  |
| <b>Expression Region</b> | 1-329  |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.  |
| <b>Protein Length</b>    | full length protein  |
| <b>Target Details</b>    | This gene encodes an enzyme that is involved in the inactivation of the chemotactic factor, leukotriene B4. The encoded protein specifically catalyzes the NADP+ dependent conversion of leukotriene B4 to 12-oxo-leukotriene B4. A pseudogene of this gene is found on chromosome 1. Alternative splicing results in multiple transcript variants.                                      |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final   |



concentration of glycerol is 50%. Customers could use it as reference.

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