



# Recombinant Human Prostaglandin reductase 1 (PTGR1)

<b>Product Code</b>	CSB-MP018983HU
<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. 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 RVAARKLKEG DTMMGQQVAK VVESKNVALP KGTIVLASPG WTHSISDGK DLEKLLTEWP DTIPLSLALG TVGMPGLTAY FGLLEICGVK GGETVMVNAA AGAVGSVVGQ IAKLKGCKVV GAVGSDEKVA YLQKLGFDVV FNYKTVESLE ETLKKASPDG YDCYFDNVGG EFSNTVIGQM KKFGRIAICG AISTYNRTGP LPPGPPPEIV IYQELRMEAF VVYRWQGDAR QKALKDLLKW VLEGKIQYKE YIIIEGFENMP AAFMGMLKGD NLGKTIVKA
<b>Source</b>	Mammalian cell
<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.

### Shelf Life

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