

## Product datasheet for **AR50459PU-S**

### Prostaglandin reductase 1 (1-329, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Prostaglandin reductase 1 (1-329, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSEFMVRTK TWTLKKHFGV YPTNSDFELK TAEPLPLKNG EVLLEALFLT VDPYMRVAAK RLKEGDTMMG QQVAKVVESK NVALPKGTV LASPGWTTTHS ISDGKDLEKL LTEWPDITPL SLALGTVGMP GLTAYFGLLE ICGVKGGETV MVNAAAGAVG SVVGQIAKLLK GCKVVGAVGS DEKVAYLQKL GFDVWFNYKT VESLEETLKK ASPDGYDCYF DNVGGFEFSNT VIGQMKKFGR IAICGAISTY NRTGPLPPGP PPEIVIQEL RMEAFVYRW QGDARQKALK DLLKWVLEGK IQYKEYIIEG FENMPAAFMMG MLKGDNLGKT IVKA
Tag:	His-tag
Predicted MW:	38.6 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer, pH 7.5, 10% glycerol, 1 mM DTT, 200 mM NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human PTGR1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_001139580</a>
Locus ID:	22949
UniProt ID:	<a href="#">Q14914</a>
Cytogenetics:	9q31.3
Synonyms:	DIG-1; LTB4DH; PGR1; ZADH3



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**Summary:**

This gene encodes an enzyme that is involved in the inactivation of the chemotactic factor, leukotriene B4. The encoded protein specifically catalyzes the NADP<sup>+</sup> 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. [provided by RefSeq, Mar 2009]

**Protein Families:**

Druggable Genome

**Product images:**