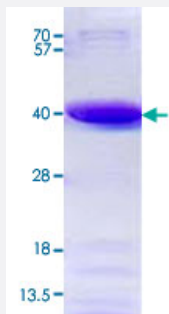


Full-Length

PTGR1 (Human) Recombinant Protein

Catalog # P5854 Size 100 ug

Applications



Specification

Product Description	Human PTGR1 (NP_036344, 1 a.a. - 329 a.a.) full-length recombinant protein with His tag expressed in <i>Escherichia coli</i> .
Sequence	MGSSHHHHHHSSGLVPRGSHMGSEFMVRTKTWTLKKHFVGYPTNSDFELKTAELPPLKNGEVLL EALFLTVDPYMRVAAKRLKEGDTMMGQQVAKVVESKNVALPKGTVLASPGWTTTHSISDGKDLE KLLTEWPDITPLSLALGTVGMPGLTAYFGLLEICGVKGGETVMVNAAAGAVGSVVGQIAKLKGCK VVGAVGSDEKVAYLQKLGFDDVFNYKTVESLEETLKKASPDGYDCYFDNVGGEFSNTVIGQMKK FGRIAICGAISTYNRTGPLPPGPPPEIVYQELRMEAFVYRWQGDARQKALKDLLKWWLEGKIQYK EYIEGFENMPAAFMGMLKGDNLGKTIVKA
Host	<i>Escherichia coli</i>
Theoretical MW (kDa)	38.6
Form	Liquid
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 90% by SDS - PAGE
Quality Control Testing	3 ug/lane in 15% SDS-PAGE Stained with Coomassie Blue. Due to the protein nature, dimmers and multimers may be observed.
Storage Buffer	In 20 mM Tris-HCl buffer, 200 mM NaCl, pH 7.5 (10% glycerol, 1 mM DTT).

Storage Instruction

Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — PTGR1

Entrez GeneID [22949](#)

Gene Name PTGR1

Gene Alias LTB4DH, MGC34943, ZADH3

Gene Description prostaglandin reductase 1

Omim ID [601274](#)

Gene Ontology [Hyperlink](#)

Gene 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+ 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]

Other Designations NADP-dependent leukotriene B4 12-hydroxydehydrogenase|OTTHUMP00000021915|leukotriene B4 12-hydroxydehydrogenase|zinc binding alcohol dehydrogenase domain containing 3

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)