

## Product datasheet for **TP306692M**

### PTGR1 (NM\_012212) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human prostaglandin reductase 1 (PTGR1), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206692 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MVRTKTWTLKKHFVGYPTNSDFELKTSELPLKNGEVLLEALFLTVDPYMRVAAKRLKEGDTMMGQQVAK VVESKNVALPKGTIVLASPGWTTTHSISDGKDLEKLLTEWPDITPLSLALGTVGMPGLTAYFGLLEICGVK GGETVMVNAAAGAVGSVVGQIAKLGCKVVGAVGSDEKVAYLQKLGFDVFNKYKTVESLEETLKKASPDG YDCYFDNVGGFESNTVIGQMKKFGRIAICGAISTYNRTGPLPPGPPPEIVYQELRMEAFVYRWQGDAR QKALKDLLKWWLEGKIYKEYIIEGFENMPAAFMGMLKGDNLGKTIVKA</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-Myc/DDK
Predicted MW:	35.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Bioactivity:	Probe target (PMID: <a href="https://pubmed.ncbi.nlm.nih.gov/28248089/">28248089</a> )
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="https://ncbi.nlm.nih.gov/RefSeq/record/NP_036344">NP_036344</a>



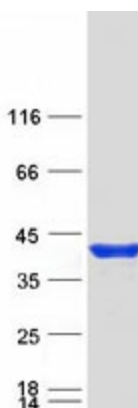
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Locus ID: 22949  
UniProt ID: [Q14914](#)  
RefSeq Size: 1249  
Cytogenetics: 9q31.3  
RefSeq ORF: 987  
Synonyms: DIG-1; LTB4DH; PGR1; ZADH3

**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, Mar 2009]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified PTGR1 protein (Cat# [TP306692]). The protein was produced from HEK293T cells transfected with PTGR1 cDNA clone (Cat# [RC206692]) using MegaTran 2.0 (Cat# [TT210002]).