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Product datasheet for TP306692

PTGR1 (NM_012212) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human prostaglandin reductase 1 (PTGR1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206692 protein sequence Red=Cloning site Green=Tags(s) MVRTKTWTLKKHFVGYPTNSDFELKTSELPPLKNGEVLLEALFLTVDPYMRVAAKRLKEGDTMMGQQVAK VVESKNVALPKGTIVLASPGWTTHSISDGKDLEKLLTEWPDTIPLSLALGTVGMPGLTAYFGLLEICGVK GGETVMVNAAAGAVGSVVGQIAKLKGCKVVGAVGSDEKVAYLQKLGFDVVFNYKTVESLEETLKKASPDG YDCYFDNVGGEFSNTVIGQMKKFGRIAICGAISTYNRTGPLPPGPPPEIVIYQELRMEAFVVYRWQGDAR QKALKDLLKWVLEGKIQYKEYIIEGFENMPAAFMGMLKGDNLGKTIVKA TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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: 28248089)
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:	NP_036344

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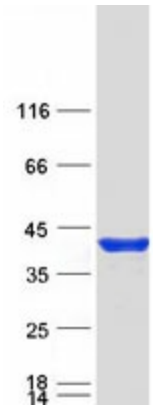
Locus ID:	22949
UniProt ID:	Q14914
RefSeq Size:	1249
Cytogenetics:	9q31.3
RefSeq ORF:	987
Synonyms:	DIG-1; LTB4DH; PGR1; ZADH3
Summary:	This gene encodes an enzyme that is involved in the inactivation of the chemotactic factor, leukotriene B4. The encoded protein specifically catalyzes the NADP+ dependent 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]).