

Product datasheet for **TP504840**

Ptgr1 (NM_025968) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Purified recombinant protein of Mouse prostaglandin reductase 1 (Ptgr1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR204840 protein sequence
Red=Cloning site **Green**=Tags(s)

MVQAKSWTLKKHFEGFPTDGNFELKTTTELPLNNGEVLLEALFLSVDPYMRVAAKKLKEGDRMMGEQVAR
VVESKNSAFPKGTIVAALLGWTSHSISDGNGLTKLPVEWPKLPLSLALGTVGMPGLTAYFGLLDICGVK
GGETVMVSAAGAVGSVVGQIAKLKGCKVGTAGSDEKVAYLKKLGFDFVAFNYKTVKSLEEALRTASPDG
YDCYFDNVGGFESNAVILQMKTFGRIAICGAISQYNRTGPCPQGPAPPEVVIYQQLRMEGFIVNRWQGEVR
QKALTELMNWWSEGKVQYHEHVTEGFEEKMPAAFMGMLKGENLGKTIVKA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 35.6 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

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 after receiving vials.

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_080244](#)

Locus ID: 67103

UniProt ID: [Q91YR9](#)



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RefSeq Size:	2104
Cytogenetics:	4 B3
RefSeq ORF:	990
Synonyms:	2510002C21Rik; Ltb4dh; Zadh3
Summary:	Functions as 15-oxo-prostaglandin 13-reductase and acts on 15-oxo-PGE1, 15-oxo-PGE2 and 15-oxo-PGE2-alpha. Has no activity towards PGE1, PGE2 and PGE2-alpha. Catalyzes the conversion of leukotriene B4 into its biologically less active metabolite, 12-oxo-leukotriene B4. This is an initial and key step of metabolic inactivation of leukotriene B4 (By similarity). [UniProtKB/Swiss-Prot Function]