

## Product datasheet for TP515806

### Ptges3 (NM\_019766) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse prostaglandin E synthase 3 (Ptges3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR215806 representing NM_019766 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MQPASAKWYDRRDYVFIEFCVEDSKDVNVNFEKSKLTFSCGGSDNFKHLNEIDLFCIDPNDSKHKRTD RSILCCLRKGESGQSWPRLTKERAKLNWLSVDFNNWKDWEDDSDEDMSNFDRFSEMMDHMGDEDVDLPE VDGADDDSQDSDDEKMPDLE  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-MYC/DDK
Predicted MW:	19.2 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:	<u><a href="#">NP_062740</a></u>
Locus ID:	56351
UniProt ID:	<u><a href="#">Q9R0Q7</a></u>
RefSeq Size:	1954
Cytogenetics:	10 D3



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RefSeq ORF: 480

Synonyms: 5730442A20Rik; cPGES; p23; Ptges; sid3177; Tebp

**Summary:** Cytosolic prostaglandin synthase that catalyzes the oxidoreduction of prostaglandin endoperoxide H2 (PGH2) to prostaglandin E2 (PGE2). Molecular chaperone that localizes to genomic response elements in a hormone-dependent manner and disrupts receptor-mediated transcriptional activation, by promoting disassembly of transcriptional regulatory complexes. Facilitates HIF alpha proteins hydroxylation via interaction with EGLN1/PHD2, leading to recruit EGLN1/PHD2 to the HSP90 pathway.[UniProtKB/Swiss-Prot Function]