

Recombinant Rat Ptges Protein, His-tagged

Cat. No. Ptges-1999R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Ptges Protein (Thr35-Tyr131) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Thr35-Tyr131
Description	Enables prostaglandin-D synthase activity and prostaglandin-E synthase activity. Involved in several processes, including prostaglandin biosynthetic process; response to lipopolysaccharide; and response to retinoic acid. Located in intracellular membrane-bounded organelle and perinuclear region of cytoplasm. Biomarker of Barrett's esophagus; ischemia; papilloma; peptic esophagitis; and transitional cell carcinoma. Orthologous to human PTGES (prostaglandin E synthase).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 14.7 kDa Accurate Molecular Mass: 16 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

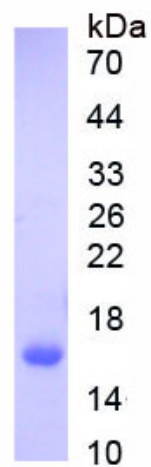
GENE INFORMATION

Gene Name	Ptges prostaglandin E synthase [Rattus norvegicus (Norway rat)]
Official Symbol	Ptges
Synonyms	PTGES; prostaglandin E synthase; Pges; MGC124930;
Gene ID	59103
mRNA Refseq	NM_021583
Protein Refseq	NP_067594
UniProt ID	Q9JHF3

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