

Recombinant Human PTGES2 protein, His & T7-tagged

Cat. No. PTGES2-5623H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PTGES2 aa. (Tyr145~Thr357 (Accession # Q9H7Z7)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Tyr145~Thr357
Description	The protein encoded by this gene is a membrane-associated prostaglandin E synthase, which catalyzes the conversion of prostaglandin H2 to prostaglandin E2. This protein also has been shown to activate the transcription regulated by a gamma-interferon-activated transcription element (GATE). Multiple transcript variants have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 28.0kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP.

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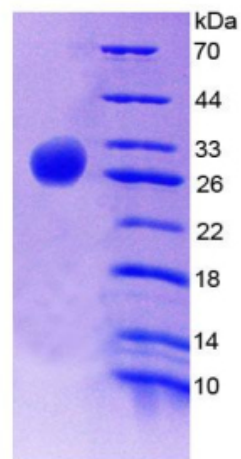
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
GENE INFORMATION	
Gene Name	PTGES2 prostaglandin E synthase 2 [Homo sapiens (human)]
Official Symbol	PTGES2
Synonyms	PTGES2; prostaglandin E synthase 2; GBF1; GBF-1; PGES2; C9orf15; mPGES-2; prostaglandin E synthase 2; GATE-binding factor 1; gamma-interferon-activated transcriptional element-binding factor 1; mPGE synthase-2; membrane-associated prostaglandin E synthase 2; microsomal prostaglandin E synthase-2; prostaglandin-H(2) E-isomerase
Gene ID	80142
mRNA Refseq	NM_001256335.1
Protein Refseq	NP_001243264.1
UniProt ID	Q9H7Z7

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SDS-PAGE



15% SDS-PAGE

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