

Prostaglandin E Synthase, Microsomal (PTGES) Recombinant Protein | PTGES recombinant protein

Recombinant Prostaglandin E Synthase, Microsomal (PTGES)

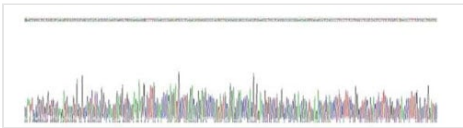
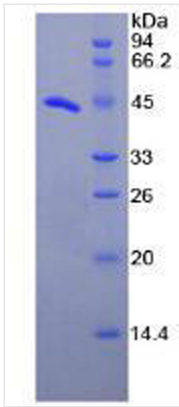
CATALOG # AAA20243	HOST E.coli	APPLICATIONS SDS-Page, Western Blot
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PRODUCT SYNONYMS

Prostaglandin E Synthase; Microsomal (PTGES); Recombinant Prostaglandin E Synthase; PTGES recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	> 90%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.
Concentration	Original Concentration: 200ug/mL (varies by lot)
Applicable Applications for PTGES recombinant protein	Positive Control, Immunogen, SDS-PAGE, WB (Western Blot)
Application Notes	May be suitable for use in other assays to be determined by the end user.
Organism Species	Homo sapiens (Human)
Source	Prokaryotic expression
Residues	Thr21~Ala148
Tags	N-terminal His and GST Tag
Subcellular Location	Membrane
Traits	Freeze-dried powder
Predicted Isoelectric Point	9.6
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. Stability Test: 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.



Gene Sequencing (Extract)

SDS-PAGE

TLLVIKMYVV AIITGQVRLR KKAFANPEDA
LRHGGPQYCR SDPDVERCLR AHRNDMETIY PFLFLGFVYS FLGPNPFVAN
MHFLVFLVGR VAHTVAYLGK LRAPIRSVTY TLAQLPCASM ALQILWEA

Sequence Information

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758910
NCBI GeneID	9536
NCBI Accession #	NP_004869.1
NCBI GenBank Nucleotide #	NM_004878.4
UniProt Accession #	O14684; O14900; Q5SZC0
Molecular Weight	Predicted Molecular Mass: 44.6kDa Accurate Molecular Mass: 44kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	prostaglandin E synthase
NCBI Official Synonym Full Names	prostaglandin E synthase
NCBI Official Symbol	PTGES
NCBI Official Synonym Symbols	PGES; MPGES; PIG12; PP102; PP1294; MGST-IV; MGST1L1; TP53I12; mPGES-1; MGST1-L1
NCBI Protein Information	prostaglandin E synthase; MGST1-like 1; p53-induced gene 12 protein; p53-induced apoptosis protein 12; glutathione S-transferase 1-like 1; microsomal prostaglandin E synthase 1; microsomal prostaglandin E synthase-1; tumor protein p53 inducible protein 12; microsomal glutathione S-transferase 1-like 1
UniProt Protein Name	Prostaglandin E synthase
UniProt Gene Name	PTGES
UniProt Synonym Gene Names	MGST1L1; MPGES1; PGES; PIG12; MGST1-L1; MPGES-1
UniProt Entry Name	PTGES_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.