

Prostaglandin Endoperoxide Synthase 2 (PTGS2) Recombinant Protein | PTGS2 recombinant protein

Recombinant Prostaglandin Endoperoxide Synthase 2 (PTGS2)

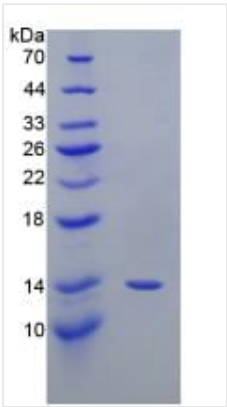
CATALOG # AAA134292	HOST E.coli	REACTIVITY Mus musculus (Mouse)	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Prostaglandin Endoperoxide Synthase 2 (PTGS2); Recombinant Prostaglandin Endoperoxide Synthase 2 (PTGS2); PTGS2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Mus musculus (Mouse)
Purity/Purification	> 95%
Form/Format	PBS, pH7.4, containing 0.05% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Concentration	Original Concentration: 200ug/mL (varies by lot)
Applicable Applications for PTGS2 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Tyr240~Leu351
Tags	N-terminal His Tag
Subcellular Location	Membrane, Endoplasmic reticulum lumen
Traits	Freeze-dried powder
Predicted isoelectric point	5.6
Usage	Reconstitute in PBS (pH7.4) 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 degree C for one month. Aliquot and store at -80 degree 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 degree 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.



Sequence

TVKDTQVEMI YPPHIPENLQ FAVGQEVFGL VPGLMYATI WLREHNRVCD
ILKQEHPEWG DEQLFQTSRL ILIGETIKIV IEDYVQHLSG YHFKLKFDP
L

SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	31981525
NCBI GeneID	19225
NCBI Accession #	NP_035328.2
NCBI GenBank Nucleotide #	NM_011198.3
UniProt Accession #	Q05769; Q543K3
Molecular Weight	Predicted Molecular Mass: 14.3kDa Accurate Molecular Mass: 14kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	prostaglandin G/H synthase 2
NCBI Official Synonym Full Names	prostaglandin-endoperoxide synthase 2
NCBI Official Symbol	Ptgs2
NCBI Official Synonym Symbols	COX2; Cox-2; PHS-2; Pghs2; TIS10; PGHS-2
NCBI Protein Information	prostaglandin G/H synthase 2; PES-2; PHS II; gripghs; PGH synthase 2; cyclooxygenase 2; cyclooxygenase-2; prostaglandin H2 synthase 2; glucocorticoid-regulated inflammatory cyclooxygenase; macrophage activation-associated marker protein P71/73
UniProt Protein Name	Prostaglandin G/H synthase 2
UniProt Gene Name	Ptgs2
UniProt Synonym Gene Names	Cox-2; Cox2; Pghs-b; Tis10; COX-2; PGH synthase 2; PGHS-2
UniProt Entry Name	PGH2_MOUSE

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.

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Online datasheet: <https://stage.aaabiotech.com/ptgs2-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/134292>