

Recombinant Human Prostaglandin E Synthase 2, His-tagged

Cat. No. PTGES2-993H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PTGES2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques (1-186aa).
Species	Human
Source	E.coli
Description	PTGES2 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.
Form	23.5 kDa (206aa), confirmed by MALDI-TOF
Molecular Weight	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 2mM DTT, 0.2M NaCl.
Purity	> 95 % by SDS - PAGE
Concentration	0.5 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MKAVNEQGKE VTEFGNKYWL MLNEKEAQQV YGGKEARTEE MKWRQWADDW LVHLISPNVY RTPTEALASF DYIVREGKFG AVEGAVAKYM GAAAMYLSK RLKSRHRLQD NVREDLYEAA DKWVAAVGKD RPFMGGQKPN LADLAVYGV LRVMEGLDAFD DLMQHTHIQP WYLRVERAIT

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EASPAH

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name

PTGES2 prostaglandin E synthase 2 [Homosapiens]

Synonyms

PTGES2; GBF1; PGES2; C9orf15; mPGES-2; FLJ14038; MGC11289; prostaglandin E synthase 2; OTTHUMP0000022232; OTTHUMP00000215363; GATE-binding factor 1; microsomal prostaglandin E synthase 2; microsomal prostaglandin E synthase-2; membrane-associated prostaglandin E synthase 2; gamma-interferon-activated transcriptional element-binding factor 1; NP_079348.1; EC 5.3.99.3

Gene ID

80142

mRNA Refseq

NM_025072

Protein Refseq

NP_079348

MIM

608152

UniProt ID

Q9H7Z7

Chromosome Location

9q34.11

Function

DNA binding; electron carrier activity; isomerase activity; prostaglandin-E synthase activity; protein binding; protein disulfide oxidoreductase activity; transcription activator activity

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