

Recombinant human Prostaglandin E synthase 2/PTGES2 protein

Catalog Number: ATGP1059

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-186aa

UniProt No.

Q9H7Z7

NCBI Accession No.

NP_945176

Alternative Names

Prostaglandin E synthase 2, hCG_1785478, C9orf15, PGES2, Membrane-associated prostaglandin E synthase-2, Prostaglandin-H(2) E-isomerase

PRODUCT SPECIFICATION

Molecular Weight

23.5 kDa (206aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 2mM DTT, 0.2M NaCl, 0.1mM PMSF

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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. Recombinant human PTGES2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MKAVNEQGKE VTEFGNKYWL MLNEKEAQQV YGGKEARTEE MKWRQWADDW
LVHLISPNVY RTPTEALASF DYIVREGKFG AVEGAVAKYM GAAAMYLISK RLKSRHRLQD NVREDLYEAA DKWVAAVGKD
RPFMGGQKPN LADLAVYGVL RVMEGLDAFD DLMQHTHIQP WYLRVERAIT EASPAH

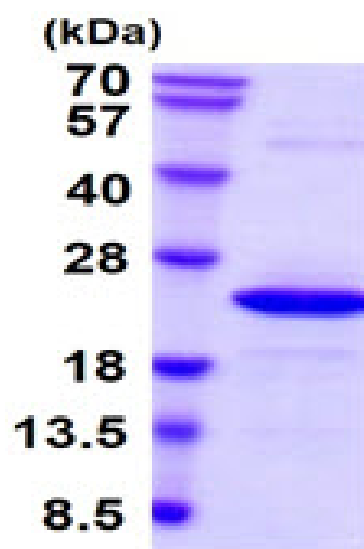
General References

Murakami M., et al. (2003) J Biol Chem. 278(39):37937-47.

Meng Q., et al. (2005) J Immunol. 174(10):6203-11.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)