

PTGES2, 1-186aa, Human, His tag, E.coli

Cat.NO.: TP03588

3th Edition

Synonyms:Prostaglandin E synthase 2, hCG_1785478, C9orf15, PGES2

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 Nterminus, was expressed in E.coli and purified by using conventional chromatography techniques.

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

Molecular Weight:23.5 kDa (206aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMKAVNEQGKEVTEFGNKYWLMLNEKEAQQVYGGKEARTEEMKWRQWADDWL
VHLISPNVYRTPTEALASFDYIVREGKFGAVEGAVAKYMGAAAMYLISKRLKSRHRLQDNVREDLYEAADKWVA
GKDRPFMGGQKPNLADLAVYGVLRVMEGLDAFDDLMQHTHIQPWYLRVERAITEASPAH

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.