

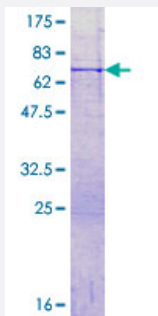
Full-Length

PTGES2 (Human) Recombinant Protein (P01)

Catalog # H00080142-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PTGES2 full-length ORF (NP_079348.1, 1 a.a. - 377 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MDPAARVVRALWPGGCALAWRLGGRPQPLLPTQSRAGFAGAAGGPSPVAAARKGSPRLLGAA
ALALGGALGLYHTARWHLRAQDLHAERSAAQLSLSSRLQLTYQYKTCPFCSKVRAFLDFHALPY
QVVEVNPVRRAEIKFSSYRKVPILVAQEGESSQQLNDSSVIISALKTYLVSGQPLEEITYYPAMKAV
NEQGKEVTEFGNKYWLMLNEKEAQQVYGGKEARTEEMKWRQWADDWLVLHISPENVYRTPTEAL
ASFDYIVREGKFGAVEGAVAKYMGAAAMYISKRLKSRHRLQDNVREDLYEAADKWVAVGKDR
PFMGGQKPNLADLAVYGVLVMEGLDAFDDLMQHTHIQPWYLRVERAITEASPAH

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

68.3

Interspecies Antigen Sequence

Mouse (83); Rat (83)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PTGES2

Entrez GeneID[80142](#)**GeneBank Accession#**[NM_025072.4](#)**Protein Accession#**[NP_079348.1](#)**Gene Name**

PTGES2

Gene Alias

C9orf15, FLJ14038, GBF1, MGC11289, PGES2, mPGES-2

Gene Description

prostaglandin E synthase 2

Omim ID[608152](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene 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 (GATE). Multiple transcript variants have been found for this gene. [provided by RefSeq]

Other Designations

GATE-binding factor 1|OTTHUMP00000022231|gamma-interferon-activated transcriptional element-binding factor 1|membrane-associated prostaglandin E synthase 2|microsomal prostaglandin E synthase-2

Pathway

- [Arachidonic acid metabolism](#)
- [Metabolic pathways](#)

Disease

- [Diabetes](#)
- [Diabetes Mellitus](#)
- [Ductus Arteriosus](#)
- [Genetic Predisposition to Disease](#)
- [Infant](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Obesity](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)