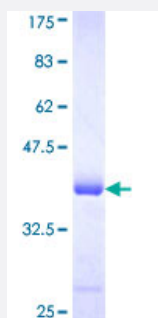


PTGES2 (Human) Recombinant Protein (Q01)

Catalog # H00080142-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PTGES2 partial ORF (NP_079348, 270 a.a. - 377 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	FGAVEGAVAKYMGAAAMYISKRLKSRHRLQDNVREDLYEADKWVAAVGKDRPFMGGQKPNL ADLAVYGVLRVMEGLDAFDDLMQHTHIQPWYLRVERAITEASPAH
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.62
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](#)

Protein Accession# [NP_079348](#)

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](#)