

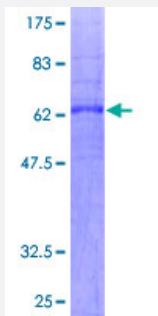
Full-Length

PTGIR (Human) Recombinant Protein (P01)

Catalog # H00005739-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PTGIR full-length ORF (NP_000951.1, 1 a.a. - 386 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MADSCRNLTYVRGSGPATSTLMFVAGVVGNLALGILSARRPARPSAFAVLVTGLAATDLLGTS
FLSPAVFVAYARNSSLLGLARGGPALCDAFAFAMTFFGLASMLILFAMAVRCLALSHPYLYAQL
DGPRCARLALPAAFCVLFCALPLLGLGQHQQYCPGSWCFLMRWAQPGGAFFSLAYAGLVAL
LVAAIFLCNGSVTLSLCRMVYQQKRHHQSLGPRPRTGEDEVHILLALMTVVMVAVCSLPLTIRCF
TQAVAPDSSSEMGDLLAFRFYAFNPILDPWVFILFRKAVFQRLKLWVCCLCLGPAHGDSQTPLS
QLASGRDPRAPSAPVGKEGSCVPLSAWGEQGVEPLPPTQQSSGSAVGTSSKAEASVACSLC

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

67.4

Interspecies Antigen Sequence

Mouse (79); Rat (79)

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 — PTGIR

Entrez GeneID[5739](#)**GeneBank Accession#**[NM_000960.3](#)**Protein Accession#**[NP_000951.1](#)**Gene Name**

PTGIR

Gene Alias

IP, MGC102830, PRIPR

Gene Description

prostaglandin I2 (prostacyclin) receptor (IP)

Omim ID[600022](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene is a member of the G-protein coupled receptor family 1 and has been shown to be a receptor for prostacyclin. Prostacyclin, the major product of cyclooxygenase in macrovascular endothelium, elicits a potent vasodilation and inhibition of platelet aggregation through binding to this receptor. [provided by RefSeq]

Other Designations

PGI receptor|prostacyclin receptor|prostanoid IP receptor

Pathway

- [Neuroactive ligand-receptor interaction](#)

- [Vascular smooth muscle contraction](#)

Disease

- [Alzheimer disease](#)
- [Asthma](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Hyperplasia](#)
- [Metabolic Syndrome X](#)
- [NARP](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Venous Thrombosis](#)