

Recombinant Human PTGIR

Cat. No. PTGIR-31205TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human Prostaglandin I2 Receptor (aa 296-386) with N-terminal proprietary tag, 35.64 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	91 amino acids
Description	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.
Molecular Weight	35.640kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Sequences of amino acids	RKAVFQRLKLWVCCCLCLGPAHGDSQTPLSQLASGRRDPRAPSPAPVGKEGSCVPLS AWGEGQVEPLPPTQQSSGSAVGTSSKAEASVACSLC
Sequence Similarities	Belongs to the G-protein coupled receptor 1 family.
GENE INFORMATION	
Gene Name	PTGIR prostaglandin I2 (prostacyclin) receptor (IP) [Homo sapiens]
Official Symbol	PTGIR
Synonyms	PTGIR; prostaglandin I2 (prostacyclin) receptor (IP); prostacyclin receptor; IP;
Gene ID	5739
mRNA Refseq	NM_000960
Protein Refseq	NP_000951
MIM	600022
Uniprot ID	P43119
Chromosome Location	19q13.3
Pathway	Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Eicosanoid ligand-binding receptors, organism-specific biosystem; G alpha (s) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem;

Function

G-protein coupled receptor activity; guanyl-nucleotide exchange factor activity; receptor activity; signal transducer activity;

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