

Recombinant Full Length Human PTGDR Protein

Cat. No. PTGDR-411HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Prostaglandin D2 Receptor with N terminal proprietary tag. Predicted MW 65.60 kDa.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	359 amino acids
Description	The protein encoded by this gene is a G-protein-coupled receptor. It has been shown to function as a prostanoid DP receptor. The activity of this receptor is mainly mediated by G-S proteins that stimulate adenylate cyclase resulting in an elevation of intracellular cAMP and Ca ²⁺ . Knockout studies in mice suggest that the ligand of this receptor, prostaglandin D2 (PGD ₂), functions as a mast cell-derived mediator to trigger asthmatic responses.
Form	Liquid
Molecular Mass	65.600kDa inclusive of tags
AA Sequence	MKSPFYRCQNTTSVEKGNSAVMGGVLFSTGLLGNLLALGL LARSGLGWCSRRPLR PLPSVFYMLVCGLTVTDLLGKCLLS PVVLAAYAQNRSRLRVLAPALDNSLCQAFAFFM SFFGLSST LQLLAMALECWLSLGHPPFFYRRHITRLRGALVAPVVSASF LAFCALPFM GFGKFVQYCPGTWCFIQMVHEEGSLSVLGYS VLYSSLMALLVLATVLCNLGAMRNL YAMHRRQLQRHPRSCT RDCAEPRADGREASPPLEELDHLALLALMTVLFTMCSLP

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VIYRAYYGAFKDVKEKNRTSEEAEDLRALRFLSVISIVDP WIFIIFRSPVFRIFFFHKIFIR
PLRYRSRCSNSTNMESSL

Purity Proprietary Purification

Storage Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

Storage Buffer pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name PTGDR prostaglandin D2 receptor (DP) [Homo sapiens]

Official Symbol PTGDR

Synonyms PTGDR; prostaglandin D2 receptor (DP); prostaglandin D2 receptor; DP; DP1; PTGDR1

Gene ID 5729

mRNA Refseq NM_000953

Protein Refseq NP_000944

MIM 604687

UniProt ID Q13258

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