

Proteoliposomes

Full-Length

PTGDR (Human) Recombinant Protein

Catalog # H00005729-G01

Size 2 ug

Specification

Product Description	Human PTGDR full-length ORF (NP_000944.1) recombinant protein without tag. This product is belong to Proteoliposome (PL).
Sequence	MKSPFYRCQNTTSVEKGNSAVMGGVLFSTGLLGNLLALGLLARSLGWCSRRPLRPLPSVFYML VCGLTVTDLLGKCLLSPVVLAAYAQNRSRLVLAAPALDNSLCQAFAMFMSFFGLSSTLQLLAMALE CWLSLGHPPFFYRRHITRLGALVAPVVSFAFLAFCALPFMGFGKFVQYCPGTWCFIQMVHEEGSL SVLGYSVLYSSLMALLVLATVLCNLGAMRNLYAMHRRQLQRHPRSCSTRDCAEPRADGREASQPL EELDHLLLLALMTVLFTMCSLPVIYRAYYGAFKDVKEKNRTSEEAEDLRALRFLSVISVDPWIFIIFR SPVFRIFHHKIFIRPLRYRSRCSNSTNMESL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	40.3
Interspecies Antigen Sequence	Mouse (73); Rat (76)
Form	Liquid
Preparation Method	in vitro wheat germ expression system with proprietary liposome technology
Purification	None
Recommend Usage	Heating may cause protein aggregation. Please do not heat this product before electrophoresis.
Storage Buffer	25 mM Tris-HCl of pH8.0 containing 2% glycerol.
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

- Antibody Production

Gene Info — PTGDR

Entrez GeneID	5729
GeneBank Accession#	NM_000953.2
Protein Accession#	NP_000944.1
Gene Name	PTGDR
Gene Alias	AS1, ASRT1, DP, DP1, MGC49004
Gene Description	prostaglandin D2 receptor (DP)
Omim ID	604687 607277
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	PGD receptor prostaglandin D2 receptor prostanoid DP receptor

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Asthma](#)
- [Birth Weight](#)
- [Bronchial Hyperreactivity](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)

- [Glioblastoma](#)
- [Glioma](#)
- [Hypersensitivity](#)
- [Leukemia](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Premature Birth](#)
- [Respiratory Sounds](#)
- [Rhinitis](#)
- [Tobacco Use Disorder](#)