

Bioactive

PGF (Human) Recombinant Protein

Catalog # P9035

Size 25 ug

Specification

Product Description	Human PGF (P49763, 21 a.a. - 221 a.a.) partial-length recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	AVPPQQWALSAGNGSSEVEVVPFQEVWGRSYCRALERLVDVVSEYPSEVEHMFSPSCVSLLRCTGCCGDENLHCVPVETANVTMQLLKIRSGDRPSYVELTFSQHVRCECRPLREKMKPERCGDAVPRR.
Host	Escherichia coli
Theoretical MW (kDa)	29
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 97% by SDS PAGE
Activity	Binds to immobilized rHuVEGFR1 with EC ₅₀ less than 6 ng/mL.
Storage Buffer	Lyophilized from Acetonitrile and TFA.
Storage Instruction	Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Applications

- Functional Study
- SDS-PAGE

Gene Info — PGF

Entrez GeneID	5228
Protein Accession#	P49763
Gene Name	PGF
Gene Alias	D12S1900, PGFL, PLGF, PIGF-2, SHGC-10760
Gene Description	placental growth factor
Omim ID	601121
Gene Ontology	Hyperlink
Gene Summary	vascular endothelial growth factor-related protein placental growth factor-like
Other Designations	placenta growth factor placental growth factor, vascular endothelial growth factor-related protein placental growth factor-like

Pathway

- [Bladder cancer](#)
- [Cytokine-cytokine receptor interaction](#)
- [Focal adhesion](#)
- [mTOR signaling pathway](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [Renal cell carcinoma](#)

Disease

- [Amyotrophic lateral sclerosis](#)
- [Anoxia](#)
- [Chorioamnionitis](#)

- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Obstetric Labor](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)