

Bioactive

FIGF (Human) Recombinant Protein

Catalog # P7373

Size 10 ug

Specification

Product Description	Human FIGF (O43915, 89 a.a. - 205 a.a) partial recombinant protein expressed in CHO cells.
Sequence	FAATFYDIETLKVIDEEWQRTQCSPRETCVEVASELGKSTNTFFKPPCVNVFRCGGCCNEESLIC MNTSTSYISKQLFEISVPLTSVPELVPVKVANHTGCKCLPTAPRHPYSIIRR
Host	Mammals
Theoretical MW (kDa)	18 - 19
Form	Lyophilized
Preparation Method	Mammalian cell (CHO) expression system
Purity	> 95% as analyzed by SDS-PAGE. > 95% as analyzed by HPLC.
Endotoxin Level	< 0.2 EU/ug of protein by gel clotting method
Activity	ED ₅₀ < 1.0 ug/mL, measured in a cell proliferation assay using HUVEC cells.
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from PBS. Reconstitute the lyophilized powder in ddH ₂ O up to 100 ug/mL.
Storage Instruction	Store at 4°C to 8°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — FIGF

Entrez GeneID [2277](#)

Protein Accession# [O43915](#)

Gene Name FIGF

Gene Alias VEGF-D, VEGFD

Gene Description c-fos induced growth factor (vascular endothelial growth factor D)

Omim ID [300091](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a member of the platelet-derived growth factor/vascular endothelial growth factor (PDGF/VEGF) family and is active in angiogenesis, lymphangiogenesis, and endothelial cell growth. This secreted protein undergoes a complex proteolytic maturation, generating multiple processed forms which bind and activate VEGFR-2 and VEGFR-3 receptors. This protein is structurally and functionally similar to vascular endothelial growth factor C. [provided by RefSeq]

Other Designations OTTHUMP00000022960|vascular endothelial growth factor D

Pathway

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

Disease

- [Chorioamnionitis](#)

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