

Active Recombinant Human FIGF Protein, Met & His-tagged

Cat. No. FIGF-976H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FIGF (Accession # O43915) Phe93-Ser201, fused with an N-terminal Met and C-terminal 6-His tag, was produced in Spodoptera frugiperda, Sf 21 (baculovirus)-derived.
Species	Human
Source	Sf21 Cells
ProteinLength	Phe93-Ser201
Predicted N Terminal	Met
Form	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.
Bio-activity	Measured in a cell proliferation assay using HMVEC human microvascular endothelial cells. Marconcini, L. et al. (1999) Proc. Natl. Acad. Sci. USA 96:9671. The ED50 for this effect is typically 0.1-0.3 µg/mL. Measured by its binding ability in a functional ELISA. Immobilized recombinant human Flt-4 Fc Chimera at 5 µg/mL (100 µL/well) binds Recombinant Human VEGF-D with an apparent KD <15 nM.
Molecular Mass	Recombinant Human FIGF, Met & His-tagged has a calculated MW of 13 kDa (monomer). In SDS-PAGE migrates as 17-20 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.

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Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).
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GENE INFORMATION

Gene Name	FIGF c-fos induced growth factor (vascular endothelial growth factor D) [Homo sapiens]
Official Symbol	FIGF
Synonyms	FIGF; c-fos induced growth factor (vascular endothelial growth factor D); VEGFD; vascular endothelial growth factor D; VEGF D; VEGF-D;
Gene ID	2277
mRNA Refseq	NM_004469
Protein Refseq	NP_004460
MIM	300091
UniProt ID	O43915
Chromosome Location	Xp22.31

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