

Active Recombinant Mouse Figf protein, hFc-tagged

Cat. No. Figf-870M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Figf protein(P97946)(Phe98-Ser206), fused with hFc tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	98-206 a.a.
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	1. Measured by its binding ability in a functional ELISA.2. Immobilized human VEGFR3-His at 10 µg/mL (100 µl/well) can bind mouse Fc-VEGFD, The EC50 of mouse Fc-VEGFD is 49 ng/mL.3. Immobilized mouse VEGFR3-His at 10 µg/mL (100 µl/well) can bind mouse Fc-VEGFD, The EC50 of mouse Fc-VEGFD is 44 ng/mL.
Molecular Mass	The recombinant mouse FIGF/Fc is a disulfide-linked homodimer. The reduced monomer comprises 369 amino acids and has a calculated molecular mass of 40.6 kDa.The apparent molecular mass of the protein is approximately 45 and 36 kDa in SDS-PAGE under reducing conditions.
Proteinlength	Phe98-Ser206

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Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Figf c-fos induced growth factor [Mus musculus]
Official Symbol	Figf
Synonyms	FIGF; c-fos induced growth factor; vascular endothelial growth factor D; c-fos-induced growth factor; Vegfd; VEGF-D; AI325264;
Gene ID	14205
mRNA Refseq	NM_010216
Protein Refseq	NP_034346

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