

Recombinant Mouse C-Fos Induced Growth Factor

Cat. No. Figf-358M Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Mouse
Source	Sf21 Cells
Description	Vascular endothelial growth factor D (VEGF-D) is a potent angiogenic factor that is a member of the VEGF family that activates VEGF receptor-2. VEGF-D is also lymphangiogenic, and promotes metastatic spread of tumor cells via lymphatic vessels. It may be useful in the treatment of breast cancer as a decision-making biomarker for aggressive treatment after operation.
Molecular Weight	The predicted molecular weight of Recombinant Mouse VEGF-D is Mr 13.0 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 14-20 kDa.
State Of Matter	Lyophilized.
Purity	>95% by SDS Page and analyzed by silver stain.
Endotoxin	<0.1 ng per 1 g as determined by the LAL method.
Storage And Stability	This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated

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Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

GENE INFORMATION

Gene Name	Figf c-fos induced growth factor [Mus musculus]
Synonyms	Figf; c-fos induced growth factor; Vegfd; VEGF-D; AI325264; OTTMUSP00000021049
Gene ID	14205
mRNA Refseq	NM_010216
Protein Refseq	NP_034346
UniProt ID	P97946
Chromosome Location	X 70.0 cM
Pathway	Bladder cancer; Cytokine-cytokine receptor interaction; Focal adhesion; Pancreatic cancer; Renal cell carcinoma; mTOR signaling pathway
Function	growth factor activity; protein binding; protein homodimerization activity; vascular endothelial growth factor receptor 3 binding; vascular endothelial growth factor receptor 2 binding

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