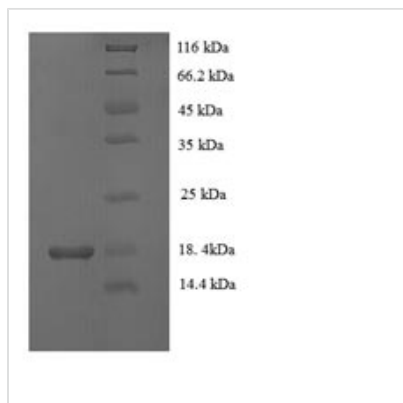


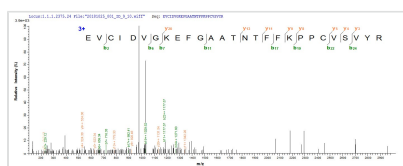


# Recombinant Mouse Vascular endothelial growth factor C (Vegfc)

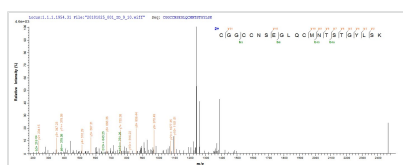
<b>Product Code</b>	CSB-EP025835MO
<b>Relevance</b>	Growth factor active in angiogenesis, and endothelial cell growth, stimulating their proliferation and migration and also has effects on the permeability of blood vessels. May function in angiogenesis of the venous and lymphatic vascular systs during bryogenesis, and also in the maintenance of differentiated lymphatic endothelium in adults. Binds and activates VEGFR-2 (KDR/FLK1) and VEGFR-3 (FLT4) receptors.
<b>Abbreviation</b>	Recombinant Mouse Vegfc protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P97953
<b>Alias</b>	Flt4 ligand ;Flt4-LVascular endothelial growth factor-related protein ;VRP
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	AHYNTEILKSIDNEWRKTCMPREVCIDVGKEFGAATNTFFKPPCVSVYRCGG CCNSEGLQCMNTSTGYLSKTLFEITVPLSQGPKPVTISFANHTSCRCMSKLDV YRQVHSIIRR
<b>Research Area</b>	Others
<b>Source</b>	E.coli
<b>Target Names</b>	Vegfc
<b>Expression Region</b>	108-223aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	17.0kDa
<b>Protein Length</b>	Full Length of Mature Protein
<b>Image</b>	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP025835MO could indicate that this peptide derived from E.coli-expressed Mus musculus (Mouse) Vegfc.



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## Description

The process of expressing the recombinant mouse Vegfc protein in the E.coli requires the recombinant DNA gene formed by the integration of encoding gene for the 108-223aa of the mouse Vegfc protein and N-terminal 6xHis tag sequence, the expression vector that the recombinant DNA gene inserts into, the E.coli that provided the necessary macromolecules and components for transcription and translation of the cloned expression vector. After isolation and purification, this N-terminal 6xHis-tagged recombinant Vegfc protein was obtained. This recombinant Vegfc protein is characterized by high purity (>90%, SDS-PAGE). This Vegfc protein ran along the gel to the band of approximately 18 kDa molecular weight.

Vascular endothelial growth factor C (VEGF-C), also known as Flt4 ligand (Flt4-L), is a protein encoding by a gene named Vegfc in mouse and a gene named VEGFC in human. This protein belongs to PDGF/VEGF growth factor family, which is a specific mitogen of vascular endothelial cells and can specifically stimulate endothelial cells to split and proliferate, and promote the growth of blood vessels. VEGF-C acts as a growth factor for angiogenesis and lymphangiogenesis through signal transduction with receptors VEGFR-3 (also called Flt-4) and VEGFR-2.

## Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.



## Shelf Life

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