

## VEGFE recombinant protein

VEGFE protein (Orf virus)

CATALOG #  
**AAA75460**

HOST  
**Insect Cells**

### PRODUCT SYNONYMS

VEGFE; VEGFE protein (Orf virus); VEGF E protein; Vascular Endothelial Growth Factor-E protein PDGF-C protein; SCDGF protein; Spinal cord-derived growth factor protein; VEGF-E protein; Fallotein protein; PDGFC protein; VEGFE recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | Insect Cells                                                                                                                                                                                                                                                                                                                                                      |
| Purity/Purification     | > 90% by SDS PAGE analysis                                                                                                                                                                                                                                                                                                                                        |
| Form/Format             | Supplied as a lyophilized powder. Reconstitute in PBS or water to a concentration not lower than 100 ug/ml, pH 7.4.                                                                                                                                                                                                                                               |
| Concentration           | 5 ug per vial; lyophilized (varies by lot)                                                                                                                                                                                                                                                                                                                        |
| Contaminants            | Endotoxin level is <0.1ng/ug                                                                                                                                                                                                                                                                                                                                      |
| Biological Significance | Like VEGFA, VEGFE was found to bind with high affinity to VEGF receptor-2 (KDR) resulting in receptor autophosphorylation, whilst in contrast to VEGFA, VEGFE can not bind to VEGF receptor-1 (Flt-1). Furthermore VEGFE can also not bind to VEGF receptor-3 (FLT-4). Therefore VEGFE is a potent angiogenic factor selectively binding to VEGF receptor -2/KDR. |
| Biohazard               | Use normal laboratory precautions and techniques when handling this reagent.                                                                                                                                                                                                                                                                                      |
| Species                 | Viral                                                                                                                                                                                                                                                                                                                                                             |
| Protein Type            | Recombinant                                                                                                                                                                                                                                                                                                                                                       |
| Expression System       | E Coli                                                                                                                                                                                                                                                                                                                                                            |
| Preparation and Storage | Upon receipt, store at -20°C until reconstitution. Avoid repeated freeze/thaw cycles.                                                                                                                                                                                                                                                                             |

### ADDITIONAL INFORMATION

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|-----------------------------------------------------------|------------------------------------------------|
| Related Product Information for VEGFE recombinant protein | Purified recombinant VEGFE protein (Orf virus) |
| Product Categories/Family for VEGFE recombinant protein   | <a href="#">Cytokines &amp; Growth Factors</a> |

### NCBI AND UNIPROT INFORMATION

|                  |         |
|------------------|---------|
| Molecular Weight | ~35 kDa |
|------------------|---------|

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.