

Vascular Endothelial Growth Factor-E Active Protein | VEGF active protein

Recombinant Vascular Endothelial Growth Factor-E (Orf Virus)

CATALOG # AAA10810	HOST E. coli
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PRODUCT SYNONYMS

Vascular Endothelial Growth Factor-E; Recombinant Vascular Endothelial Growth Factor-E (Orf Virus); VEGF E (Orf Virus); Vascular Endothelial Growth Factor-E Recombinant (Orf Virus); VEGF active protein

PRODUCT SPECIFICATIONS

Host	E. coli
Purity/Purification	Greater than 90.0% as determined by SDS-PAGE.
Form/Format	The protein was lyophilized from a concentrated (1mg/ml) solution containing PBS.
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Solubility	The lyophilized oVEGF-E Orf Virus should be reconstituted in water or medium to a concentration not lower than 50ug/ml. For long term storage we would recommend to add at least 0.1% human or bovine serum albumin.
Biological Activity	The biological activity was determined (1) by the ability to induce VEGFR-2/KDR receptor phosphorylation in PAE/KDR cells and (2) in a cell proliferation assay using primary HUVECs. The ED ₅₀ for this effect is typically 1-5ng/ml.
Preparation and Storage	Lyophilized Vascular Endothelial Growth Factor-E Orf Virus although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution VEGF E -OV should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for VEGF active protein	A DNA sequence encoding the mature variant of oVEGF-E isolate D1701 (Dehio et al., 1999; GenBank accession No. AF106020) was expressed in E. coli as a 132 amino acid residue fusion protein with an N-terminal His-tag sequence and a thrombin cleavage site. Recombinant VEGF-E homodimer was dimerized in vitro and has a predicted mass of approximately 35 kDa.
Product Categories/Family for VEGF active protein	Cytokines and Growth Factors ; Growth Factors ; VEGF

NCBI AND UNIPROT INFORMATION

NCBI GI #	1718158
UniProt Accession #	P52584
NCBI Official Full Name	Vascular endothelial growth factor homolog
UniProt Protein Name	Vascular endothelial growth factor homolog
UniProt Gene Name	A2R
UniProt Entry Name	VEGFH_ORFN2

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.

