Recombinant Cattle VEGFD Protein, His-tagged

Cat. No. VEGFD-568C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cattle VEGFD Protein (Phe89-Pro354) with N-His tag was expressed in E. coli.
Species	Cattle
Source	E.coli
ProteinLength	Phe89-Pro354
Description	The protein encoded by this gene is a member of the platelet-derived growth factor/vascular endothelial growth factor (PDGF/VEGF) family and is active in angiogenesis, lymphangiogenesis, and endothelial cell growth. This secreted protein undergoes a complex proteolytic maturation, generating multiple processed forms which bind and activate VEGFR-2 and VEGFR-3 receptors. This protein is structurally and functionally similar to vascular endothelial growth factor C. Read-through transcription has been observed between this locus and the upstream PIR (GeneID 8544) locus.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 33.9 kDa Accurate Molecular Mass: 34 kDa
Purity	> 97%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	VEGFD vascular endothelial growth factor D [Bos taurus (cattle)]
Official Symbol	VEGFD
Synonyms	VEGFD; vascular endothelial growth factor D; FIGF; VEGF-D; vascular endothelial growth factor D; c-fos induced growth factor (vascular endothelial growth factor D)
Gene ID	286799
mRNA Refseq	NM_001101043
Protein Refseq	NP_001094513
UniProt ID	A7MBB6

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