

Recombinant Cattle VEGFB Protein, His-tagged

Cat. No. VEGFB-565C Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Cattle VEGFB Protein (Pro22-Arg188) with N-His tag was expressed in E. coli.
Species	Cattle
Source	E.coli
ProteinLength	Pro22-Arg188
Description	Growth factor for endothelial cells. VEGF-B167 binds heparin and neuropilin-1 whereas the binding to neuropilin-1 of VEGF-B186 is regulated by proteolysis.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 49.0 kDa Accurate Molecular Mass: 49 kDa
Purity	> 90%
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.

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Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
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Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
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Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.
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GENE INFORMATION

Gene Name	VEGFB vascular endothelial growth factor B [Bos taurus (cattle)]
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Official Symbol	VEGFB
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Synonyms	VEGFB; vascular endothelial growth factor B; vascular endothelial growth factor B; VEGF-B; VEGF-related factor; VRF
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Gene ID	282121
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mRNA Refseq	NM_174487
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Protein Refseq	NP_776912
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UniProt ID	Q9XS49
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