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## Product Datasheet

### Human VEGF Protein

### BYT-ORB169544

Article Name	Human VEGF Protein
Biozol Catalog Number	BYT-ORB169544
Supplier Catalog Number	orb169544
Alternative Catalog Number	BYT-ORB169544-1, BYT-ORB169544-10, BYT-ORB169544-2
Manufacturer	Biorbyt
Category	Proteine/Peptide
Product Description	Recombinant of Human VEGF protein...
Buffer	The VEGF protein was lyophilized from a concentrated (1mg/ml) solution with no additives.
Purity	Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	APMAEGGGQN HHEVVKFMDV YQRSYCHPIE TLVDIFQEYP DEIEYIFKPS CVPLMRCGGC CNDEGLECVP TEESNITMQI MRIKPHQGQH IGEMSFLQHN KCECRPKKDR ARQENPCGPC SERRKHLFVQ DPQTCKCSCK NTDSRCKARQ LELNERTCRC DKPRR

Application Notes

Solubility: It is recommended to reconstitute the lyophilized VEGF in sterile 18M-cm H<sub>2</sub>O not less than 100 $\mu$ g/ml, which can then be further diluted to other aqueous solutions. Biological Activity: Determined by the dose-dependent stimulation of the proliferation of human umbilical vein endothelial cells (HUVEC) using a concentration range of 3.7-5.6 ng/ml, corresponding to a Specific Activity of 178,570-270,270IU/mg. Application Notes: Protein content: VEGF protein quantitation was carried out by two independent methods:1. UV spectroscopy at 280 nm using the absorbency value of 0.2875 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENE computer analysis program of protein sequences (IntelliGenetics). 2. Analysis by RP-HPLC, using a calibrated solution of VEGF as a Reference Standard