

Product Datasheet

Recombinant Mouse VEGF 164 Protein NBP2-35189-100ug

Unit Size: 100 ug

Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.

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Publications: 1

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NBP2-35189-100ug

Recombinant Mouse VEGF 164 Protein

Product Information

Unit Size	100 ug
Concentration	Lyoph
Storage	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
Preservative	No Preservative
Reconstitution Instructions	Recommended to centrifuge prior to opening. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0mg/mL.
Purity	>95%, by SDS-PAGE and HPLC
Buffer	Lyophilized from a 0.2 um filtered solution in PBS, pH 7.4.
Target Molecular Weight	38.8 kDa

Product Description

Description	<p>A disulfide-linked homodimeric protein consisting of two 165 amino acid polypeptide chains with Met at N-terminus corresponding to VEGF 164 Source: <i>E. coli</i></p> <p>Uniprot ID: Q00731</p> <p>Amino Acid Sequence: MAPTTEGEQK SHEVIKFMDV YQRSYCRPIE TLVDIFQEYP DEIEYIFKPS CVPLMRCAGC CNDEALECVP TSESNITMQI MRIKPHQSQH IGEMSFLQHS RCECRPKKDR TKPEKHCEPC SERRKHLFVQ DPQTCKCSCK NTDSRCKARQ LELNERTCRC DKPRR</p>
Gene ID	7422
Gene Symbol	VEGFA
Species	Mouse
Details of Functionality	VEGF 164 protein is fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using human umbilical vein endothelial cells (HUVEC) is less than 5 ng/ml, corresponding to a specific activity of $> 2.0 \times 10^5$ IU/mg.
Endotoxin Note	Less than 1 EU/ug of VEGF 164 as determined by LAL method.

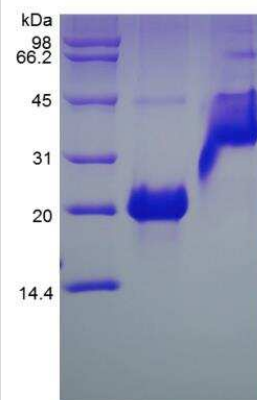
Product Application Details

Applications	SDS-Page, Bioactivity
Recommended Dilutions	SDS-Page, Bioactivity



Images

SDS-Page: Mouse VEGF 164 Protein [NBP2-35189]



Publications

Trinh LT, Osipovich AB, Sampson L et al. Differential regulation of alternate promoter regions in Sox17 during endodermal and vascular endothelial development iScience 2022-09-16 [PMID: 36046192] (BA)

Details:

20 ng/ml used, mESCs were differentiated to vascular endothelial cells



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Products Related to NBP2-35189-100ug

NBP2-35310-100ug	Recombinant Rat VEGF 164 Protein
NB100-105	HIF-1 alpha Antibody (H1alpha67)
NBP2-79619-15Plates	VEGF 164 Antibody Pair [HRP]
210-TA-005	TNF-alpha [Unconjugated]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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