Datasheet for ABIN2735215

VEGFA Protein (Transcript Variant 2)

1 Image

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Overview

Quantity:	10 µg
Target:	VEGFA
Protein Characteristics:	Transcript Variant 2
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Application:	Antibody Production (AbP), Functional Studies (Func), Standard (STD), Protein Interaction (PI)

Product Details

Specificity:	Optimal preservation of protein structure, post-translational modifications and functions.
Characteristics:	• Recombinant human VEGF-A (transcript variant 2) protein expressed in E. coli. • Produced with end-sequenced ORF clone • Tested for bioactivity.
Purity:	> 98 % , as determined by Coomassie stained SDS-PAGE.
Endotoxin Level:	Less than 0.1 EU/µg (<0.01 ng/µg) protein as determined by the LAL method.
Biological Activity Comment:	The ED50 is 1-4 ng/ml, corresponding to a specific activity of 1-0.25 x 10^6 units/mg, determined by the dose dependent stimulation of HUVEC cells proliferation.

Target Details

Target:	VEGFA

Target Details

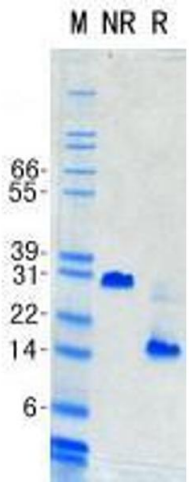
Alternative Name:	Vegf-A (VEGFA Products)
Molecular Weight:	14.1 kDa
NCBI Accession:	NP_033531
Pathways:	RTK Signaling, Glycosaminoglycan Metabolic Process, Regulation of Cell Size, Tube Formation, Signaling Events mediated by VEGFR1 and VEGFR2, Platelet-derived growth Factor Receptor Signaling, VEGFR1 Specific Signals, VEGF Signaling

Application Details

Application Notes:	Recombinant human proteins can be used for: Native antigens for optimized antibody production Positive controls in ELISA and other antibody assays Protein-protein interaction In vitro biochemical assays and cell-based functional assays
Restrictions:	For Research Use only

Handling

Concentration:	> 50 µg/mL
Buffer:	5 mM Citric Acid, 5 mM NaH2PO4, 150 mM NaCl, pH 4.0
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.



Western Blotting

Image 1. Validation with Western Blot