

Datasheet for ABIN2735180

VEGFA Protein (Transcript Variant 5)[Go to Product page](#)**1** Image

Overview

Quantity:	10 µg
Target:	VEGFA
Protein Characteristics:	Transcript Variant 5
Origin:	Rat
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 Vascular endothelial growth factor A (Vegfa), transcript variant 5. (transcript variant 5) protein expressed in E. coli. • Produced with end-sequenced ORF clone • Tested for bioactivity.
Purity:	> 95 % as determined by SDS-PAGE and Coomassie blue staining
Endotoxin Level:	Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).
Biological Activity Comment:	Determined by the dose-dependent stimulation of the proliferation of Human umbilical vein endothelial cells (HUVEC). The expected ED50 is 4.0-8.0 ng/ml.

Target Details

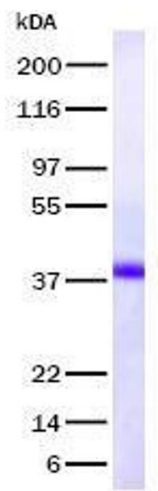
Target:	VEGFA
Abstract:	VEGFA Products
Molecular Weight:	38.5 kDa
NCBI Accession:	NP_001103806
Pathways:	RTK Signaling , Glycosaminoglycan Metabolic Process , Regulation of Cell Size , Tube Formation , Signaling Events mediated by VEGFR1 and VEGFR2 , Platelet-derived growth Factor Receptor Signaling , 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

Buffer:	Lyophilized from a 0.2 µM filtered solution of 20 mM phosphate buffer, 100 mM NaCl, pH 7.2
Handling Advice:	Resuspend the protein in the desired concentration in proper buffer
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