

Datasheet for ABIN2735216

VEGFA Protein (Transcript Variant 2)[Go to Product page](#)

Overview

Quantity:	10 µg
Target:	VEGFA
Protein Characteristics:	Transcript Variant 2
Origin:	Mouse
Source:	HEK-293 Cells
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 HEK293. • Produced with end-sequenced ORF clone • Tested for bioactivity.
Purity:	> 98 % , as determined by Coomassie stained SDS-PAGE.
Endotoxin Level:	Less than 0.01 ng per µg protein as determined by the LAL method.
Biological Activity Comment:	The ED50 is 1- 4 ng/ml, corresponding to a specific activity of 0.25 - 1 x 10 ⁶ units/mg, determined by the dose dependent stimulation of HUVEC cells proliferation.

Target Details

Target:	VEGFA
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Target Details

Alternative Name:	Vegf-A (VEGFA Products)
Molecular Weight:	19.3 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 NaHPO4, 0.15 M 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.