

For Research Use Only

# Recombinant Mouse VEGF120 protein (His Tag)



Catalog Number: Eg0278

Basic Information	<b>Species:</b> Mouse	<b>Purity:</b> >90 %, SDS-PAGE	<b>Tag:</b> His Tag
Technical Specifications	<b>Purity:</b> >90 %, SDS-PAGE <b>Endotoxin Level:</b> <0.1 EU/ µg protein, LAL method <b>Source:</b> HEK293-derived Mouse VEGF120 protein Ala27-Arg146 (Accession# Q00731-3) with a His tag at the N-terminus. <b>GeneID:</b> 22339 <b>Accession:</b> Q00731-3 <b>Predicted Molecular Mass:</b> 15.2 kDa <b>SDS-PAGE:</b> 16-22 kDa, reducing (R) conditions <b>Formulation:</b> Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Not tested		
Storage and Shipping	<b>Storage:</b> It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"><li>• Until expiry date, -20°C to -80°C as lyophilized proteins.</li><li>• 3 months, -20°C to -80°C under sterile conditions after reconstitution.</li></ul> <b>Shipping:</b> The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	VEGFA (vascular endothelial growth factor A) is a cytokine that is a member of the VEGF-A family. VEGF120 is an isoform of the VEGF-A gene produced by selective splicing, and is highly diffusible due to the lack of a heparin-binding domain. VEGF120 plays an important role in angiogenesis and the proliferation, migration, and survival of vascular endothelial cells. In addition, VEGF120 is essential for the formation of the cardiovascular system during embryonic development and is also involved in tissue repair and regeneration in the adult. In the nervous system, VEGF120 inhibits apoptosis of retinal neurons, showing its protective effect on nerve cells.		
References	<ol style="list-style-type: none"><li>1. Claesson-Welsh, L, and M Welsh. Journal of internal medicine vol. 273,2 (2013): 114-27.</li><li>2. White, Amanda Louise, and Gregory Jaye Bix. Biomolecules vol. 13,4 702. 20 Apr. 2023.</li><li>3. Ni, Hongzao et al. Phytotherapy research : PTR vol. 36,4 (2022): 1736-1747.</li><li>4. Nishijima, Kazuaki et al. The American journal of pathology vol. 171,1 (2007): 53-67.</li></ol>		
Synonyms	Vegfa, L-VEGF , N-VEGF, Vascular Endothelial Growth Factor, vascular endothelial growth factor A		

## Selected Validation Data



Purity of Recombinant Mouse VEGF120 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

T: 027-87531629

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.