10320 Camino Santa Fe, Suite G
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VEGFR2
Catalog # PVGS1693

Specification

VEGFR2 - Product Information

Primary Accession	P35968-1

Species
Human

Sequence
Ala20-Glu764

Purity
> 95% as determined by Bis-Tris PAGE
 > 95% as determined by HPLC

Endotoxin Level
Less than 1 EU per μg by the LAL method.

Biological Activity
Immobilized VEGFR2, Avi & His, Human (Cat.No.: Z03811) at 0.5 μg/ml can bind AntiVEGFR2 Antibody.

Expression System
HEK293

Theoretical Molecular Weight
86.2 kDa

Formulation	**Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4.**

Reconstitution
Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.

Storage & Stability
Upon receiving, the lyophilized product remains stable up to 6 months at -20 °C or below as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

VEGFR2 - Additional Information

Target Background
The kinase insert domain receptor (KDR), also known as vascular endothelial growth factor receptor 2 (VEGFR-2), is a type IV receptor tyrosine kinase that plays a crucial role in various biological processes, including embryonic vasculature development, angiogenesis regulation, cell survival, migration, macrophage function, chemotaxis, and cancer cell invasion. It acts as a cell-surface receptor for VEGFA, VEGFB, and PGF. The human gene encoding KDR is also known as CD309 and Flk1 (Fetal Liver Kinase 1). VEGFR2 is a key regulator of angiogenesis.

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VEGFR2 - Protein Information

VEGFR2 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

VEGFR2 - Images