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Datasheet for ABIN2181909 VEGFB Protein (AA 22-207) (His tag)





Overview

| Quantity: | 50 µg |
|-------------------------------|--|
| Target: | VEGFB |
| Protein Characteristics: | AA 22-207 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Biological Activity: | Active |
| Purification tag / Conjugate: | This VEGFB protein is labelled with His tag. |

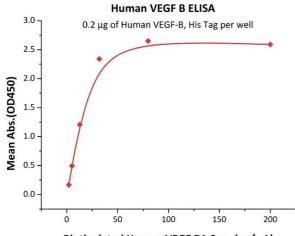
Product Details

| Sequence: | AA 22-207 |
|------------------|--|
| Characteristics: | This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of |
| | 20.2 kDa. The protein migrates as 15-18 kDa and 33-35 kDa on a SDS-PAGE gel under reducing (R) condition. |
| Purity: | >90 % as determined by SDS-PAGE. |
| Sterility: | 0.22 µm filtered |
| Endotoxin Level: | Less than 1.0 EU per µg by the LAL method. |
| Target Details | |
| Target: | VEGFB |

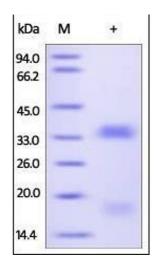
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| Target Details | |
|---------------------|--|
| Alternative Name: | VEGF-B (VEGFB Products) |
| Background: | Vascular endothelial growth factor B (VEGFB) is also known as VEGF-related factor (VRF), is a |
| | secreted O-glycosylated protein, which belongs to the PDGF/VEGF growth factor family. VEGFB |
| | is expressed in all tissues except liver. Highest levels found in heart, skeletal muscle and |
| | pancreas. VEGFB is growth factor for endothelial cells. VEGF-B seems to play a role only in the |
| | maintenance of newly formed blood vessels during pathological conditions. VEGF-B also plays |
| | an important role on several types of neurons. It is important for the protection of neurons in |
| | the retina and the cerebral cortex during stroke and of motoneurons during motor neuron |
| | diseases such as amyotrophic lateral sclerosis.VEGF-B167 binds heparin and neuropilin-1 |
| | whereas the binding to neuropilin-1 of VEGF-B186 is regulated by proteolysis. |
| Molecular Weight: | 20.3 kDa |
| NCBI Accession: | NP_003368 |
| Pathways: | RTK Signaling, Signaling Events mediated by VEGFR1 and VEGFR2, VEGFR1 Specific Signals |
| Application Details | |
| Restrictions: | For Research Use only |
| Handling | |
| Format: | Lyophilized |
| Buffer: | PBS, pH 7.4 |
| Handling Advice: | Please avoid repeated freeze-thaw cycles. |
| Storage: | -20 °C |
| Storage Comment: | No activity loss was observed after storage at: In lyophilized state for 1 year (4 °C-8 °C), After |
| | reconstitution under sterile conditions for 1 month (4 °C-8 °C) or 3 months (-20 °C to -70 °C). |

Images



Biotinylated Human VEGF R1 Con. (ng/mL)



ELISA

Image 1. Immobilized Human VEGF-B, His Tag (ABIN2181909,ABIN3071762) at 2 μ g/mL (100 μ L/well) can bind Biotinylated Human VEGF R1 with a linear range of 2-32 ng/mL (QC tested).

SDS-PAGE

Image 2.

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