

Mouse VEGF188, Tag Free Protein

HA210770



Product name:	Mouse VEGF188, Tag Free
Species reactivity:	Mouse
Protein construction description:	A DNA sequence encoding the mouse VEGF188 protein (Q00731-1) (Ala 27-Arg 214) was expressed with tag free.

Background: Participates in the induction of key genes involved in the response to hypoxia and in the induction of angiogenesis such as HIF1A. Involved in protecting cells from hypoxia-mediated cell death. Growth factor active in angiogenesis, vasculogenesis and endothelial cell growth. Induces endothelial cell proliferation, promotes cell migration, inhibits apoptosis and induces permeabilization of blood vessels. Binds to the FLT1/VEGFR1 and KDR/VEGFR2 receptors, heparan sulfate and heparin. Binds to the NRP1/neuropilin-1 receptor. Binding to NRP1 receptor initiates a signaling pathway needed for motor neuron axon guidance and cell body migration, including for the caudal migration of facial motor neurons from rhombomere 4 to rhombomere 6 during embryonic development.

Purity: >95% as determined by SDS-PAGE.

Endotoxin: Less than 1.0 EU per μg by the LAL method.

Fragment region: VEGF188 (27-214)

Source: HEK293

Accession: Q00731-1

Predicted molecular mass: 22.5 kD

Formulation: Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.

Reconstitution: Reconstitute at 250 $\mu\text{g}/\text{ml}$ in sterile water.

Storage: Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20°C to -80°C . It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.

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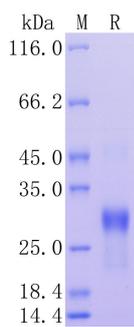


Fig1: Protein on SDS-PAGE under reducing (R) condition.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".
