

Datasheet

Vegfa (Mouse) Recombinant Protein

Catalog Number: P5825

Regulation Status: For research use only (RUO)

Product Description: Mouse Vegfa (164 a.a.) full-length recombinant protein with His tag expressed in Barley grain (*Hordeum vulgare*).

Host: Plants

Theoretical MW (kDa): 30

Applications: Func, SDS-PAGE, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Form: Lyophilized

Preparation Method: Barley grain (*Hordeum vulgare*) expression system

Purification: Chromatography

Concentration: 100 ug/mL

Purity: > 98% by SDS-PAGE

Endotoxin Level: Endotoxin level is less than 0.005ng per ug protein (0.05EU/ug) as measured by turbidimetric kinetic assay

Activity: Bioactivity is assayed by measuring the dose dependent effect of mouse VecgfaVEGF164 on proliferation of Human Umbilical Vein Endothelial Cells (HUVEC) cells. This growth factor was tested by an independent company and exhibits an ED50 of 2.9 ng/mL corresponding to 0.34×10^6 U/mg specific activity, a value comparable to their in-house standard measured in parallel.

Storage Buffer: Lyophilized from PBS pH 7.2

Storage Instruction: Store at -20°C on dry atmosphere. After reconstitution with sterile water to a concentration

of no less than 100 ug/mL, store at -20°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 22339

Gene Symbol: Vegfa

Gene Alias: Vegf, Vegf-a, Vegf120, Vegf164, Vegf188, Vpf