

# Recombinant Rat Vegfb protein, His-tagged

**Cat. No.** Vegfb-600R    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat Vegfb aa. (Ala21~Ser137) fused with N-terminal His tag was produced in E. coli cells.                                                                     |
| <b>Species</b>          | Rat                                                                                                                                                                       |
| <b>Source</b>           | E.coli                                                                                                                                                                    |
| <b>ProteinLength</b>    | Ala21~Ser137                                                                                                                                                              |
| <b>Description</b>      | Mouse homolog is a growth factor; involved in the promotion of angiogenesis.                                                                                              |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                       |
| <b>Molecular Mass</b>   | 17kDa as determined by SDS-PAGE reducing conditions.                                                                                                                      |
| <b>Endotoxin</b>        | <1.0EU per 1g (determined by the LAL method)                                                                                                                              |
| <b>Purity</b>           | >98%                                                                                                                                                                      |
| <b>Characteristic</b>   | The isoelectric point is 7.1.                                                                                                                                             |
| <b>Applications</b>     | SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive Labeling.                                                                                                     |
| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, |

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and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

|                       |                                                                                                            |
|-----------------------|------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. |
| <b>Concentration</b>  | 200µg/mL                                                                                                   |
| <b>Storage buffer</b> | 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.    |
| <b>Reconstitution</b> | Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.          |

## GENE INFORMATION

|                        |                                                                               |
|------------------------|-------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Vegfb vascular endothelial growth factor B [ Rattus norvegicus (Norway rat) ] |
| <b>Official Symbol</b> | Vegfb                                                                         |
| <b>Synonyms</b>        | Vegfb; vascular endothelial growth factor B; VEGF-B; VEGF-related factor; VRF |
| <b>Gene ID</b>         | 89811                                                                         |
| <b>mRNA Refseq</b>     | NM_053549.1                                                                   |
| <b>Protein Refseq</b>  | NP_446001.1                                                                   |
| <b>UniProt ID</b>      | O35485                                                                        |

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