

Recombinant Human VEGFB Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP51047

Size: 10ug, 100ug

Protein Name: Vascular endothelial growth factor B (VEGF-B) (VEGF-related factor) (VRF)

Synonym: VEGFB, VRF

UniProt ID: P49765

UniProt Link: www.uniprot.org/uniprotkb/P49765/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 207 AA

Molecular Weight: 22 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MSPLLRRLLLAALLQLAPAQAPVSQPDAPGHQRKVVSVIDVYTRATCQPREVVVPLTVELMGTVAK
QLVPSCVTVQRCGGCCPDDGLECVPTGQHQVRMQILMIRYPSSQLGEMSLEEHSQCECRPKKKDS
AVKPDRAATPHHRPQPRSVPGWDSAPGAPSPADITHPTAPGPSAHAAPSTTSALTPGPAAAAADA
AASSVAKGGA

3. Buffer Composition

Liquid format: PBS-based buffer containing 50% glycerol. Glycerol concentration can be customized upon customer request; please state special requirements when placing your order.

Lyophilized format: Buffer before lyophilization is PBS supplemented with 6% trehalose.

4. Storage Conditions

Upon receipt, store the product at -20 °C or -80 °C. Aliquot the product for on-demand use to preserve protein activity and prevent denaturation and inactivation caused by repeated freeze-thaw cycles.

5. Product Description

This product is recombinant Vascular endothelial growth factor B (VEGF-B) (VEGF-related factor) (VRF) produced using the HEK293T eukaryotic cell expression system. It is suitable for in-vitro functional assays, protein-protein interaction studies, antibody preparation and other biomedical research applications.

Protein Function: Growth factor for endothelial cells. VEGF-B167 binds heparin and neuropilin-1 whereas the binding to neuropilin-1 of VEGF-B186 is regulated by proteolysis.

Subcellular Localization: Secreted. Note=Secreted but remains associated to cells or to the extracellular matrix unless released by heparin.

6. Notes

- Avoid repeated freeze-thaw cycles to maintain protein stability and biological activity.
- Please specify special buffer-composition requirements at the time of order placement.
- For research use only. Not intended for clinical diagnosis, therapeutic use or commercial manufacturing.