

Recombinant Rat VEGFC Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP52206

Size: 10ug, 100ug

Protein Name: Vascular endothelial growth factor C (VEGF-C) (Flt4 ligand) (Flt4-L) (Vascular endothelial growth factor-related protein) (VRP)

Synonym: Vegfc

UniProt ID: O35757

UniProt Link: www.uniprot.org/uniprotkb/O35757/entry

Species Source: Rat

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 415 AA

Molecular Weight: 46 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MHLLCFLSLACSLLAALIPGPAPATVAAFESGLGFSEAEPDGGGEVKGFEKDL EEQLRSVSSVD
ELMSVLYPDYWKMVKCQLRKGGWQQPSLNMRTGDTVKLAAAHYNTEILKSIDNEWRTQCMPREV
CIDVGKEFGAATNTFFKPPCVSVYRCGGCCNSEGLQCMNTSTGYLSKTLFEITVPLSQGPKPVTISF
ANHTSCRCMSKLDVYRQVHSIIRSLPATLPQCQAANKTCPANYVWNNYMCQCLAQQDFIFYSNVE
DDSSNGFHDVCGPNKELDEDTCCQCVCKGGLRPSSCGPHKELDRDSCQCVCKNKLFLNSCGANRE
FDENTCQCVCKRTCPRNQPLNPGKCACECTENTQKCFLKGKFFHHQTCSCYRRPCTNRLKHCDPG
LSFSEEVCRVCPSYWKRPHLN

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 C (VEGF-C) (Flt4 ligand) (Flt4-L) (Vascular endothelial growth factor-related protein) (VRP) 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 active in angiogenesis, and endothelial cell growth, stimulating their proliferation and migration and also has effects on the permeability of blood vessels. May function in angiogenesis of the venous and lymphatic vascular systems during embryogenesis, and also in the maintenance of differentiated lymphatic endothelium in adults. Binds and activates KDR/VEGFR2 and FLT4/VEGFR3 receptors.

Subcellular Localization: Secreted.

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.