

Product datasheet for **TP302426**

VEGFB (NM_003377) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human vascular endothelial growth factor B (VEGFB), 20 µg

Species: Human

Expression Host: HEK293T

**Expression cDNA Clone
or AA Sequence:** >RC202426 protein sequence
Red=Cloning site **Green**=Tags(s)

MSPLLRRLLLAALLQLAPAQAPVSPDAPGHQRKVVSWIDVYTRATCQPREVVVPLTVELMGTVAKQLVP
SCVTVQRCGGCCPDDGLECVPTGQHQVRMQILMIRYPSSQLGEMSLEEHSQCECRPKKKDSAVKPDRAAT
PHHRPQPRSVPGWDSAPGAPSPADITHPTPAPGPSAHAAPSTTSALTPGAAAAADAAASSVAKGGA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 21.4 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_003368](#)

Locus ID: 7423

UniProt ID: [P49765](#), [Q7LAP4](#)

RefSeq Size: 1822



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Cytogenetics: 11q13.1

RefSeq ORF: 621

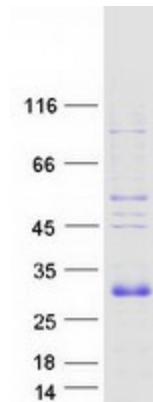
Synonyms: VEGFL; VRF

Summary: This gene encodes a member of the PDGF (platelet-derived growth factor)/VEGF (vascular endothelial growth factor) family. The VEGF family members regulate the formation of blood vessels and are involved in endothelial cell physiology. This member is a ligand for VEGFR-1 (vascular endothelial growth factor receptor 1) and NRP-1 (neuropilin-1). Studies in mice showed that this gene was co-expressed with nuclear-encoded mitochondrial genes and the encoded protein specifically controlled endothelial uptake of fatty acids. Alternatively spliced transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Sep 2011]

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Bladder cancer, Cytokine-cytokine receptor interaction, Focal adhesion, mTOR signaling pathway, Pancreatic cancer, Pathways in cancer, Renal cell carcinoma

Product images:



Coomassie blue staining of purified VEGFB protein (Cat# TP302426). The protein was produced from HEK293T cells transfected with VEGFB cDNA clone (Cat# [RC202426]) using MegaTran 2.0 (Cat# [TT210002]).