

## Product datasheet for PH302426

### VEGFB (NM\_003377) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	VEGFB MS Standard C13 and N15-labeled recombinant protein (NP_003368)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202426
Predicted MW:	21.6 kDa
Protein Sequence:	>RC202426 protein sequence Red=Cloning site Green=Tags(s)  MSPLLRLLLLAALLQLAPAQAPVSQPDAPGHQRKVVSWIDVYTRATCQPREVVVPLTVELMGTVAKQLVP SCVTVQRCGGCCPDDGLECVPTGQHQVRMQILMIRYPSSQLGEMSL EEHSQCECRPKKDSAVKPDRAAT PHHRPQPRSVPGWDSAPGAPSPADITHPTAPGSAHAAPSTTSALTPGPA AAAADAAASSVAKGGA  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_003368</u>
RefSeq Size:	1822
RefSeq ORF:	621
Synonyms:	VEGFL; VRF
Locus ID:	7423
UniProt ID:	<u>P49765, Q7LAP4</u>



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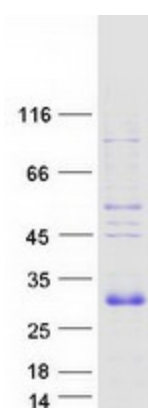
**Cytogenetics:** 11q13.1

**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]).