

Vascular Endothelial Growth Factor-B Human Recombinant

Item Number	rAP-2509
Synonyms	Vascular endothelial growth factor B, VEGF-B, VRF, VEGFL, VEGF-related factor, VEGFB.
Description	VEGFB Human Recombinant produced in E.Coli is a double, non-glycosylated, polypeptide chain containing 207 amino acids (22-207) and having a molecular mass of 21.6 kDa (molecular weight on SDS-PAGE will appear higher). The VEGFB is fused to a 20 amino acid His Tag at N-terminus & purified by propri-
Uniprot Accesion Number	P49765
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MPVSQPDAPG HQRKV/SWID VYTRATCQPR EVVPLTVEL MGT- VAKQLVP SCVTQRCGG CCPDDGLECV PTGQHQVRMQ ILMIRYPSSQ LGEMSLEEHS QCECRPKKKD SAVKPDRAT PHHRPQPRSV PGWDSAPGAP SPADITHPTP APGPSAHAAP STTSALT- PGP AAAAADAAAS SVAKGG.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless liquid formulation. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	The VEGFB protein solution contains 20mM Tris-HCl buffer pH 7.5 & 10% glycerol. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	Measured in a cell proliferation assay using NIH-3T3 mouse embryonic fibroblast. The ED50 for this effect is < 1ng/ml corresponding to a specific activity of less than 1,000,000units/mg.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**