

Product datasheet for **TP723473**

VEGFB (NM_003377) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human vascular endothelial growth factor B (VEGFB).
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	PVSQPDAPGH QRKVVSWIDV YTRATCQPRE VVPLTVELM GTVAKQLVPS CTVQRCGGC CPDDGLECVP TGQHQRMQI LMIRYPSSQL GEMSLEEHSQ CECRPKKKDS AVKPDSRPL CPRCTQHHQR PDPRTCRCRC RRRSFLRCQG RGLLENPDC RCRKLRR
Tag:	Tag Free
Predicted MW:	38 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μM filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	Determined by the dose-dependent stimulation of the proliferation of human umbilical vein endothelial cells (HUVEC) in the presence of human VEGF ₁₆₅ . The expected ED50 for this effect is 1.0-2.0ug/mL.
Endotoxin:	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_003368
Locus ID:	7423
UniProt ID:	P49765, Q7LAP4
RefSeq Size:	1822
Cytogenetics:	11q13.1
RefSeq ORF:	621
Synonyms:	VEGFL; VRF



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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