

Product datasheet for **TP727721**

VEGFB Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Vascular Endothelial Growth Factor B/VEGFB (N-Fc)
Species:	Human
Expression cDNA Clone or AA Sequence:	Pro22-Ala207
Tag:	N-Fc
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Human Vascular Endothelial Growth Factor B is produced by our Mammalian expression system and the target gene encoding Pro22-Ala207 is expressed with a Fc tag at the N-terminus.
Stability:	12 months from date of despatch
Locus ID:	7423
UniProt ID:	P49765
Summary:	VEGFB, as known as VRF, is a member of the VEGF family of growth factors that share structural and functional similarity. By alternative splicing, two isoforms of mature VEGF-B containing 167 or 186 amino acid (aa) residues exist. VEGF-B is expressed in most tissues, especially in heart, skeletal muscle and pancreas. The two VEGF-B isoforms have identical amino-terminal cysteine-knot VEGF homology domains but the carboxyl end of VEGF-B167 differs from that of VEGF-B186 by the presence of a highly basic cysteine-rich heparin binding domain. VEGF-B167 and a proteolytically processed form of VEGF-B186 also bind neuropilin-1, a type I transmembrane receptor for semaphorins/collapsins, ligands involved in neuron guidance.



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