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Product datasheet for TP726707

Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human VEGF-A/VEGF165
Species:	Human
Expression cDNA Clone or AA Sequence:	Ala27-Arg191
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
Note:	Recombinant Human Vascular Endothelial Growth Factor A is produced by our Mammalian expression system and the target gene encoding Ala27-Arg191 is expressed.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Synonyms:	Vascular Endothelial Growth Factor Isoform 165; VEGF165
Summary:	Human Vascular endothelial growth factor (VEGF), also known as VEGF-A and vascular permeability factor (VPF), belongs to the platelet-derived growth factor family of cysteine-knot growth factors. It is a potent activator in vasculogenesis and angiogenesis both physiologically and pathologically. VEGF-A has 8 differently spliced isoforms, of which VEGF165 is the most abundant one. VEGF165 is a disulfide-linked homodimer consisting of two glycosylated 165 amino acid polypeptide chains. VEGF stimulates the cellular response through binding to tyrosine kinase receptors VEGFR1 and VEGFR2 on the cell surface. It is widely accepted that VEGFR2 mediate almost all of the known cellular responses to VEGF while the function of VEGFR1 is less defined and is thought to modulate the VEGFR2 signaling.

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