

Product datasheet for DA3520

VEGF-C / Flt4-L (VEGF-C152S) Rat Protein

Product data:

Product Type:	Recombinant Proteins
Description:	VEGF-C / Flt4-L (VEGF-C152S) rat recombinant protein, 5 µg
Species:	Rat
Expression Host:	Insect
Predicted MW:	18-24 kDa
Purity:	>90% by SDS-PAGE and visualised by silver stain
Buffer:	Presentation State: Purified State: Lyophilized protein Buffer System: 50 mM Acetic Acid Stabilizer: BSA
Bioactivity:	Biological: Measured by its ability to stimulate phosphorylation of the VEGFR-3/FLT-4 receptor in porcine aortic endothelial cells (PAE/FLT-4 cells). The ED50 for this effect is typically 150-300 ng/ml.
Endotoxin:	< 0.1 ng per µg of VEGF-C152S
Reconstitution Method:	The lyophilized VEGF-C152S is soluble in water and most aqueous buffers. Restore in PBS or medium to a concentration not lower than 50 µg/ml.
Preparation:	Lyophilized protein
Protein Description:	VEGF-C152S is a point mutant generated by the replacement of the second conserved Cys residue of the recombinant processed VEGF-C by a Ser residue. VEGF-C152S is analog to the human VEGF-C156S mutant and only active toward VEGFR-3/FLT-4 but, unlike wild type VEGF-C, is unable to bind to and to activate signalling through VEGFR-2/KDR. VEGF-C152S was inactive in the vascular permeability assay and did not increase migration of the capillary endothelial cells, indicating that these VEGF-like effects of VEGF-C require VEGFR-2 binding.
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_446105</u>



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Locus ID:	114111
UniProt ID:	<u>O35757</u>
Cytogenetics:	16p11
Synonyms:	VEGFC, VRP, Vascular endothelial growth factor C, Vascular endothelial growth factor-related protein, Flt4 ligand
Summary:	platelet-derived growth factor/vascular derived growth factor (PDGF/VEGF); active in angiogenesis and endothelial cell growth [RGD, Feb 2006]