

Product datasheet for **TP723856**

VEGFC (NM_005429) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human vascular endothelial growth factor C (VEGFC)
Species:	Human
Expression Host:	CHO
Expression cDNA Clone or AA Sequence:	Human VEGF-C, the region of Thr103-Arg227, from gene Accession# NM_005429.2
Tag:	C-His
Predicted MW:	15.4 kDa
Concentration:	lot specific
Purity:	>98%, as determined by Coomassie stained SDS-PAGE.
Buffer:	1 x PBS
Bioactivity:	The ED50 is 100 ~ 500 ng/ml, corresponding to a specific activity of 0.2 - 1.0 x 10 ⁴ units/mg, determined by the dose dependent stimulation of HUVEC cell proliferation.
Endotoxin:	Less than 0.01 ng per µg protein as determined by the LAL method
Storage:	Store at -80°C.
Stability:	Unopened vial can be stored between 2°C and 8°C for up to 2 weeks, at -20°C for up to 6 months, or at -70°C or below until the expiration date. Aliquots can be stored between 2°C and 8°C for up to one week and stored at -20°C or colder for up to 3 months. Avoid repeated freeze/thaw cycles.
RefSeq:	NP_005420
Locus ID:	7424
UniProt ID:	P49767
RefSeq Size:	2103
Cytogenetics:	4q34.3
RefSeq ORF:	1257
Synonyms:	Flt4-L; LMPH1D; LMPHM4; VRP



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Summary:

The protein encoded by this gene is a member of the platelet-derived growth factor/vascular endothelial growth factor (PDGF/VEGF) family. The encoded protein promotes angiogenesis and endothelial cell growth, and can also affect the permeability of blood vessels. The proprotein is further cleaved into a fully processed form that can bind and activate VEGFR-2 and VEGFR-3 receptors. [provided by RefSeq, Apr 2014]

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

Product images: