

Recombinant Human Fms-Related Tyrosine Kinase 4

Cat. No. FLT4-1698H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	Mammalian Cells
Description	Vascular endothelial growth factor receptor 3 (VEGF R3) is one of the five receptor tyrosine kinases whose expression is almost exclusively restricted to endothelial cells of the lymphatic system. VEGF R3 is a specific marker for lymphatic vessels. It has also been detected on some high endothelial venules, in embryonic prelymphatic blood vessels, in some tumor blood vessels, and in certain hematopoietic and leukemia cells. The predominant role of VEGF-R3 is its involvement in the development of the lymphatic vessel system.
State Of Matter	Lyophilized.
Purity	>95% by SDS Page and analyzed by silver stain.
Endotoxin	<0.1 ng per 1 g as determined by the LAL method.
Molecular Weight	The predicted molecular weight of Recombinant Human VEGF R3 is Mr 112 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 160 kDa.
Biological Activity	The biological activity of Human VEGF R3 was determined by its binding ability in a

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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functional ELISA. Immobilized VEGFR3/Fc Chimera at 5 µg/ml (100 µl/well) can bind rhVEGFD at a linear range of 4-500 ng/ml.

Storage And Stability

This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles.

GENE INFORMATION

Gene Name	FLT4 fms-related tyrosine kinase 4 [Homo sapiens]
Synonyms	FLT4; fms-related tyrosine kinase 4; PCL; FLT41; LMPH1A; VEGFR3; FLT4; VEGFR-3; fms-related tyrosine kinase 4; soluble VEGFR3 variant 1; soluble VEGFR3 variant 2; soluble VEGFR3 variant 3; vascular endothelial growth factor receptor 3; Tyrosine-protein kinase receptor FLT4; 3` partial; EC 2.7.10.1
Gene ID	2324
mRNA Refseq	NM_002020
Protein Refseq	NP_002011
MIM	136352
UniProt ID	P35916
Chromosome Location	5q35.3
Function	ATP binding; nucleotide binding; protein binding; receptor activity; transferase activity;

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vascular endothelial growth factor receptor activity

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