

Recombinant Mouse FMS-like Tyrosine Kinase 4

Flt4-1787M Mouse

Lot. No. (See product label)

Specification

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.
Molecular Weight	The predicted molecular weight of Recombinant Mouse VEGF R3 is Mr 84.5 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 133 kDa.
Source	<i>Sf 21 Insect Cells.</i>
State Of Matter	Lyophilized.
Purity	>95% by SDS Page and analyzed by silver stain.
Endotoxin	<1.0 EU/μg as determined by the LAL method.
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. See Product Insert for exact lot specific storage instructions.

Gene Information

Gene Name	Flt4 FMS-like tyrosine kinase 4 [Mus musculus]
Synonyms	Flt4; FMS-like tyrosine kinase 4; Chy; Flt-4; VEGFR3; VEGFR-3; AI323512; chylous ascites; OTTMUSP00000005713; receptor protein tyrosine kinase; vascular endothelial growth factor receptor-3; EC 2.7.10.1
Gene ID	14257
mRNA Refseq	NM_008029
Protein Refseq	NP_032055
UniProt ID	P35917
Chromosome Location	11 A5-B1; 11 25.0 cM

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Pathway

Cytokine-cytokine receptor interaction; Focal adhesion

Function

ATP binding; growth factor binding; kinase activity; nucleotide binding; protein binding; protein kinase activity; protein tyrosine kinase activity; receptor activity; transferase activity; transmembrane receptor protein tyrosine kinase activity; vascular endothelial growth factor receptor activity

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