Vascular Endothelial Growth Factor Receptor 3 (flt4) Danio Rerio Recombinant Protein

PRODUCT OVERVIEW

Product Name	Vascular endothelial growth factor receptor 3 (flt4), Recombinant Protein
Full Product Name	Recombinant Danio rerio Vascular endothelial growth factor receptor 3 (flt4), partial
Product Gene Name	flt4 recombinant protein
Product Synonym Gene Name	flt4
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	153,178 Da
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q5MD89
Species	Zebrafish
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for flt4 recombinant protein	MBS1330902 is a recombinant protein targeting flt4. Also known as Recombinant Danio rerio Vascular endothelial growth factor receptor 3 (flt4), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of flt4 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for flt4. It may not necessarily be applicable to this product.

NCBI GI #	82072489
NCBI GeneID	30121
NCBI Accession #	Q5MD89.1
UniProt Primary Accession #	Q5MD89
UniProt Secondary Accession #	Q5GIT2
UniProt Related Accession #	Q5MD89
NCBI Official Full Name	Vascular endothelial growth factor receptor 3
NCBI Official Synonym Full Names	fms-related tyrosine kinase 4
NCBI Official Symbol	flt4

NCBI Official Synonym Symbols	VEGFR3; cb1059
UniProt Protein Name	Vascular endothelial growth factor receptor 3
Protein Family	Vascular endothelial growth factor receptor
UniProt Gene Name	flt4
UniProt Synonym Gene Names	flt-4; vegfr3; VEGFR-3
NCBI Protein Information	vascular endothelial growth factor receptor 3
UniProt Comments for flt4	Tyrosine-protein kinase that acts as a cell-surface receptor for vegf or vegfc. Combinations of multiple VEGF receptors are required for development of different blood vessel types in the embryo. Involved in angiogenesis, specifically in VEGF-induced sprouting of new blood vessels, but not required for proper vasculogenesis or hematopoiesis.
Research Articles on flt4	**1.** miR-126a directs lymphatic endothelial cell sprouting and extension by interacting with Cxcl12a-mediated chemokine signaling and Vegfc-Flt4 signal axis.
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