

Product Information

MemDX™ Membrane Protein Human FLT1 (Fms related receptor tyrosine kinase 1) Full

Length

Cat. No.: **MPC1391K**

This product is for research use only and is not intended for diagnostic use.

This product is a 150.7 kDa Human FLT1 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

FLT1

Protein Length

Full length

Protein Class

Transferase

Molecular Weight

150.7 kDa

TMD

1

Sequence

MVSYWDTGVLLCALLSCLLLTGSSSGSKLKDPELSLKGTQHIMQAGQTLH
LQCRGEAAHKWSLPPEMVSKESESLITKSACGRNGKQFCSTLTLNTAQAN
HTGFYSCKYLAVPTSKKKETESAIYIFISDTGRPFVEMYSEIPEIIHMTE
GRELVIPCRVTSPNITVTLKKFPLDTLIPDGKRIIWDSRKGFIISNATYK
EIGLLTCEATVNGHLYKTNLYLTHRQTNTIIDVQISTPRPVKLLRGHTLV
NCTATTPLNTRVQMTWSYPDEKNKRASVRRRIDQSNHANIFYSVLTIDK
MQNKDKGLYTCRVRSGPSFKSVNTSVHIYDKAFITVKHRKQVLETVAGK
RSYRLSMKVKAFFSPEVVWLKDGLPATEKSARYLTRGYSLIKDVTEDDA
GNYTILLSIKQSNVFNLTATLIVNVKPKIYEKAVSSFDPALYPLGSRQ
ILTCTAYGIPQPTIKWFWHPCNNHNHSEARCDFCSNNEESFILDADSNMGN
RIESITQRMALIEGKNKMASTLVVADSRISGIYICIASNKVGTVGRNISF
YITDVPNGFHVNLKMPTEGEDLKLSTVKNFLYRDVTWILLRTVNNRTM
HYSISKQKMAITKEHSITLNLTIMNVSLQDSGTACRARNVYTGEELQK
KEITIRDQEAPYLLRNLSDHVAISSSTTLDCHANGVPEPQITWFKNNHK
IQQEPGILGPGSSTLFIERVTEEDEGVYHCKATNQKGSVESSAYLTVQG
TSDKSNLELITLTCTCVAATLFWLLTLFIRKMKRSSEIKTDYLSIIMD
PDEVPLDEQCERLPYDASKWEFARERLKLKSLGRGAFGKVVQASAFGIK
KSPTCRTVAVKMLKEGATASEYKALMTELKILTHIGHHLNVNLLGACTK
QGGPLMVIVEYCKYGNLSNYLKSQRDLFFLNKDAALHMEPKKEKMEPGLE

QGKKPRLDSVTSSSEFASSGFQEDKSLSDVEEEEDSDGFYKEPITMEDLI
SYSFQVARGMEFLSSRKCIHRDLAARNILLSENN VVKICDFGLARDIYKN
PDYVRKGDTRLPLKWMAPESIFDKIYSTKSDVWSYGVLLWEIFSLGGSPY
PGVQMDDEFCSRLREGMRMRAPEYSTPEIYQIMLDCWHRDPKERPRFAEL
VEKLGDLLQANVQQDGKDYIPINAILTGNSGFTYSTPAFSEDFFKESIS
PKFNSGSSDDVRYVNAFKFMSLERIKTFEELLPNATSMFDDYQGDSSTLL
ASPMLKRFTWTDSKPKASLKIDLRVTSKSKESGLSDVSRPSFCHSSCGHV
SEGKRRFTYDHAELERKIACCSPPPDYNVSVLYSTPPI

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

FLT1

Full Name

Fms related receptor tyrosine kinase 1

Introduction

This gene encodes a member of the vascular endothelial growth factor receptor (VEGFR) family. VEGFR family members are receptor tyrosine kinases (RTKs) which contain an extracellular ligand-binding region with seven immunoglobulin (Ig)-like domains, a transmembrane segment, and a tyrosine kinase (TK) domain within the cytoplasmic domain. This protein binds to VEGFR-A, VEGFR-B and placental growth factor and plays an important role in angiogenesis and vasculogenesis. Expression of this receptor is found in vascular endothelial cells, placental trophoblast cells and peripheral blood monocytes. Multiple transcript variants encoding different isoforms have been found for this gene. Isoforms include a full-length transmembrane receptor isoform and shortened, soluble isoforms. The soluble isoforms are associated with the onset of pre-eclampsia.

Alternative Names

FLT1; FLT; FLT-1; VEGFR1; VEGFR-1; vascular endothelial growth factor receptor 1; fms related tyrosine kinase 1; fms-like tyrosine kinase 1; fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor); tyrosine-protein kinase FRT; tyrosine-protein kinase receptor FLT; vascular permeability factor receptor; Fms related receptor tyrosine kinase 1

Gene ID

[2321](#)

UniProt ID

