

Product Information

MemDX™ Membrane Protein Human FLT3 (Fms related receptor tyrosine kinase 3) Full

Length

Cat. No.: **MPC2598K**

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

This product is a made-to-order Human FLT3 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

FLT3

Protein Length

Full length

Protein Class

Transferase

TMD

1

Sequence

MPALARDGGQLPLLVFVSAMIFGTITNQDLPVIKCVLINHKNNDSVVGKS
SSYPMVSESPEDLGCALRPQSSGTVYEA-AAVEVDVSASITLQVLVDAPGN
ISCLVWFKHSSLNCQPHFDLQNRGVVSMVILKMTETQAGEYLLFIQSEAT
NYTILFTVSIRNTLLYLRRPYFRKMENQDALVCISESVPEPIVEWVLCD
SQGESCKEESPAVVKKEEKVLHELFGTDIRCCARNELGRECTRLFTIDLN
QTPQTTLPLQLFLKVGEPWIRCKAVHVNHGFLTWELNKALEEGNYFEM
STYSTNRTMIRILFAFVSSVARNDTGYYTCSSSKHPSQSALVTIVEKGF
NATNSSDYEDQYEEFCFSVRFKAYPQIRCTWTFSRKSFPCEQKGLDNG
YSISKFCNHHKHQPGEYIFHAENDDAQFTKMFTLNIRRKPVLA-EASASQA
SCFSDGYPLPSWTWKKCSKSPNCTEEITEGVWNRKANRKVFGQWVSSST
LNMSEAIKGFLVKCCAYNSLGTSCETILLNSPGPFPIQDNISFYATIGV
CLLFIVVLTLLICHKYKKQFRYESQLQMVQVTGSSDNEYFYVDFREYED
LKWEFPRENLEFGKVLGSGAFGKVMNATAYGISKTGVSQVAVKMLKEKA
DSSEREALMSELKMMTQLGSHENIVNLLGACTLSGPIYLIFEYCCYGDLL
NYLRSKREKFHRTWTEIFKEHNFSFYPTFQSHPNSSMPGSREVIHPDSD
QISGLHGNSFHSEDEIEYENQKRLEEEEDLNVLTFFEDLLCFAYQVAKGME
FLEFKSCVHRDLAARNVLVTHGKVVKICDFGLARDIMSDSNYVVRGNARL
PVKWMAPESLFEGIYTIKSDVWSYGILLWEIFSLGVNPPYPGIPVDANFYK
LIQNGFKMDQPFYATEEIIYIMQSCWAFDSRKRPSPNLT-SFLGCQLADA
EEAMYQNV DGRVSECPHTYQNRPPFSREMDLGLLSPQAQVEDS

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

FLT3

Full Name

Fms related receptor tyrosine kinase 3

Introduction

This gene encodes a class III receptor tyrosine kinase that regulates hematopoiesis. This receptor is activated by binding of the fms-related tyrosine kinase 3 ligand to the extracellular domain, which induces homodimer formation in the plasma membrane leading to autophosphorylation of the receptor. The activated receptor kinase subsequently phosphorylates and activates multiple cytoplasmic effector molecules in pathways involved in apoptosis, proliferation, and differentiation of hematopoietic cells in bone marrow. Mutations that result in the constitutive activation of this receptor result in acute myeloid leukemia and acute lymphoblastic leukemia.

Alternative Names

FLT3; FLK2; STK1; CD135; FLK-2; receptor-type tyrosine-protein kinase FLT3; CD135 antigen; FL cytokine receptor; fetal liver kinase 2; fms related tyrosine kinase 3; fms-like tyrosine kinase 3; growth factor receptor tyrosine kinase type III; stem cell tyrosine kinase 1; Fms related receptor tyrosine kinase 3

Gene ID

[2322](#)

UniProt ID

[P36888](#)