

Product Information

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

Antibody Discovery

Cat. No.: **MP0101Q**

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

This product is a 58.3 kDa Human FLT3 membrane protein expressed in Sf9. 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

Partial

Protein Class

Druggable Genome, ES Cell Differentiation/IPS, Protein Kinase, Transmembrane

Molecular Weight

58.3 kDa

TMD

1

Sequence

MPALARGGGQLPLLVFSA MIFGTITNQDLPVIKCVLINHKNN DSSVGKSSSYPMVSESPEDLGCALRPQSSGTVYEAAAVEVDVSA

Product Description

Expression Systems

Sf9

Tag

C-DDK

Form

Powder

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

50mM Tris-HCl, pH8.0, 100mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

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

CD135; FLK-2; FLK2; STK1; 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; FLT-3; Stem cell tyrosine kinase 1; STK-1; growth factor receptor tyrosine kinase type III; Receptor-type tyrosine-protein kinase FLT3; Fetal liver kinase-2

Gene ID

[2322](#)

UniProt ID

[P36888](#)