SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

Product Information

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

Expressed in HEK293 for Antibody Discovery, Partial (27-541aa)

Cat. No.: **MPX0437K**
This product is for research use only and is not intended for diagnostic use.

This product is a 59 kDa 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
Partial (27-541aa)

Protein Class
Transferase

Molecular Weight
59 kDa

TMD
1

Sequence
NQDLPVIKCVLINHKNNDSSVGKS
SSYPMVSESPEDLGCALRPQSSGTVYEAAAVEVDVSASITLQVLVDAPGN
ISCLWVFKHSSLNCQPHFDLQNRGVVSMVILKMTETQAGEYLLFIQSEAT
NYTILFTVSIRNTLLYTLRRPYFRKMENQDALVCISESVPEPIVEWVLCD
SQGESCKEESPAVVKKEEKVLHELFGTDIRCCARNELGRECTRLFTIDLN
QTPQTTLPQLFLKVGEPLWIRCKAVHVNHGFGLTWELENKALEEGNYFEM
STYSTNRTMIRILFAFVSSVARNDTGYYTCSSSKHPSQSALVTIVEKGFI
NATNSSEDYEIDQYEEFCFSVRFKAYPQIRCTWTFSRKSFPCEQKGLDNG
YSISKFCNHKHQPGEYIFHAENDDAQFTKMFTLNIRRKPQVLAEASASQA
SCFSDGYPLPSWTWKKCSDKSPNCTEEITEGVWNRKANRKVFGQWVSSST
LNMSEAIKGFLVKCCAYNSLGTSCETILLNSPGPFPFIQDN

Product Description

Activity
Yes

Expression Systems

HEK293

Tag

6xHis tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Reconstitute at 500 μg/mL in PBS.

Endotoxin

<0.10 EU per 1 μg of the protein by the LAL method.

Purity

>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.

Buffer

Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose.

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

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

SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com